



## **CITY OF NEWARK**

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220 South Main Street · Newark, Delaware 19711  
302.366.7000 · [www.newarkde.gov](http://www.newarkde.gov)

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BIDDER

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BID SECURITY

CITY OF NEWARK  
Delaware

CONTRACT NO. 21-06

2021 STREET IMPROVEMENT PROGRAM

### Notice

Do not disassemble. Return intact with  
properly completed forms or bid may be rejected.

CITY OF NEWARK  
Delaware

CONTRACT NO. 21-06

2021 STREET IMPROVEMENT PROGRAM

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ATTACHMENTS

ATTACHMENT 1 – PROJECT CONSTRUCTION DRAWINGS

CITY OF NEWARK

Delaware

CONTRACT NO. 21-06

2021 STREET IMPROVEMENT PROGRAM

NOTICE OF LETTING

Sealed bids for Contract No. 21-06, 2021 STREET IMPROVEMENT PROGRAM, will be received by the Purchasing Division (220 South Main Street; Newark, Delaware 19711) until 2:00 p.m., prevailing time, Tuesday, April 27, 2021 and will be publicly opened and recorded in the Council Chamber shortly thereafter.

Alternatively, bids may also be emailed in PDF form to the City Purchasing Division at [contracts@newark.de.us](mailto:contracts@newark.de.us) by the deadline noted above and will be opened immediately after the closing date and time and will be publicly recorded in the Council Chamber shortly thereafter.

The 2021 Street Improvement Program includes replacing curbs, installing ramps, milling, hot mix resurfacing, hot mix patching and necessary restoration. A bid bond equal to not less than 10% of the bid price must accompany the bid.

The City of Newark Standard Specifications for Road and Utility Construction and the Detail Standards, revised, January 30, 2001, which are, in their entirety, a part of the contract documents, may be viewed and downloaded free of charge from the City website, under Public Works Department, Standard Books.

All questions/requests for information regarding this contract (bid process, drawings and technical specifications, etc.) must be submitted via email to [contracts@newark.de.us](mailto:contracts@newark.de.us) by 5:00p.m. on Wednesday, April 14, 2021 to allow staff sufficient time to develop answers to questions deemed appropriate. Please submit all questions/requests for information in bulk (e.g., in a Word document attachment to an email) to limit the total number of emails received.

The contract documents for Contract No. 21-06 may be obtained from the City's web page at [www.newarkde.gov/bids](http://www.newarkde.gov/bids).

CITY OF NEWARK

Delaware

CONTRACT NO. 21-06

2021 STREET IMPROVEMENT PROGRAM

GENERAL PROVISIONS

**1. BIDS**

Each bid shall be submitted on the proposal form included herein. The proposal and all other required documents must be submitted in a sealed envelope clearly identified with the bidder's name and marked, "City of Newark - Contract No. 21-06, 2021 STREET IMPROVEMENT PROGRAM". **Bid Documents must be received in the Purchasing Office prior to 2:00 p.m. prevailing time, Tuesday April 27, 2021.** Each bid so submitted shall constitute an irrevocable offer for a period of thirty (30) calendar days following the bid opening date.

Alternatively, bids may also be emailed in PDF form to the City Purchasing Division at [contracts@newark.de.us](mailto:contracts@newark.de.us) by the deadline noted above and will be opened immediately after the closing date and time and will be publicly recorded in the Council Chamber shortly thereafter.

**2. BID SECURITY**

Each bid must be accompanied by a certified check, cashier's check, or bid bond in the amount of ten percent (10%) of the proposed bid price, payable to the City of Newark. Failure to provide the required bid security may be grounds for rejection of the bid. If a bid bond is submitted, the attached "Bond to Accompany Proposal" form must be completed and issued by a surety licensed to operate in the State of Delaware.

**3. CONTRACT SURETY BOND**

If the successful bidder fails or refuses to execute and deliver the contract within twenty (20) calendar days after receiving notice of the award of the contract, the successful bidder shall forfeit to the City for such failure or refusal the security deposited with the bid. Any certified check or cashier's check submitted as security shall be returned to all unsuccessful bidders thirty (30) calendar days after the bid opening date. The successful bidder shall provide the City with a Performance Bond and Payment Bond in the full amount of the contract guaranteeing faithful performance of the contract. Such bonds shall be provided to the City with the executed contract within twenty (20) calendar days after receiving notice of award of the contract. Upon receipt of the contract surety bond, the City will return any certified

check or cashier's check submitted as bid security by the successful bidder.

**4. TAXES**

The price(s) quoted shall not include federal or state taxes. If applicable, the successful bidder shall provide the City with three (3) copies of the required tax exemption forms to accompany the bidder's invoice.

**5. AWARDS**

The City Manager or designee will review each of the bids submitted and make a recommendation to the City Council on the disposition of the bids. The City Council reserves the right to accept or reject any or all bids or parts of bids as they may determine and to waive any irregularities or defects where the best interest of the City would be served.

**6. UNIT PRICES**

In the event of a conflict or error in extension from unit price to total amount, the unit prices shall prevail and shall be considered the correct bid figures. Bidders are cautioned to thoroughly review their bid figures for errors prior to submitting their proposal. The unit price shall include all transportation, delivery, installation and all charges for the goods and services specified for the 2021 Street Improvement Program. The work done under this contract will be funded by the City of Newark. The State of Delaware prevailing wage schedule will therefore not be applicable to this contract.

**7. INQUIRIES/REQUESTS FOR INFORMATION**

All inquiries/requests for information regarding this contract must be submitted via email to [contracts@newark.de.us](mailto:contracts@newark.de.us) by 5:00p.m. on Wednesday, April 14, 2021. These inquiries will be passed along to relevant staff for their review. Any answers deemed necessary will be provided via addendum prior to the bid opening date.

**8. TIME OF COMPLETION AND LIQUIDATED DAMAGES**

Contractor shall commence work on a date to be specified by the City in a written "Notice to Proceed" and to fully complete all work under this contract on or before April 22, 2022. Liquidated damages of five hundred ninety-five dollars (\$595.00) per day may be assessed to the Contractor by the City for each day the contract is extended beyond the completion date. Liquidated damages are not to be construed as a penalty in any sense.

**9. LIABILITY INSURANCE**

- A. The Contractor shall at all times maintain and keep in force such insurance as will protect him from claims under Worker's Compensation Acts, and also such insurance as will protect him and the owner from any such claims for damages for personal injuries, including death, which may arise from operations under this contract, whether such operations be by the Contractor or by any Subcontractor or anyone directly or indirectly employed by any of them.
- B. The Contractor shall be required to provide Workers' Compensation (WC)/Employer's Liability (EL) coverage with limits of insurance not less than:

\$1,000,000 Per Accident  
\$1,000,000 Per Illness, Employee  
\$1,000,000 Per Illness, Aggregate

The Contractor shall be required to provide Contractors Professional Liability coverage with limits of insurance not less than:

\$1,000,000 Per Claim  
\$1,000,000 Per Aggregate

The Contractor shall be required to provide Umbrella/Excess Liability coverage with limits of insurance not less than:

\$3,000,000 Each Occurrence  
\$3,000,000 Aggregate

The Contractor shall be required to provide Commercial General Liability (CGL) coverage with limits of insurance not less than:

\$1,000,000 Each Occurrence Limit  
\$1,000,000 Personal & Advertising Injury Limit  
\$2,000,000 Annual Aggregate Limit  
\$2,000,000 Products-Completed Operations Limit  
\$1,000,000 Business Auto Liability Limit (Owned, Hired, & Non-Owned Autos)

The Contractor, The City of Newark (Owner) and all other parties required of the Contractor shall be included as insured on the CGL, using Additional Insured Endorsements providing coverage as broad as the coverage provided for the named insured Subcontractor.

Subcontractors approved in association with the hiring of a Contractor shall be required to provide Commercial General Liability (CGL) coverage with limits of

insurance in equal amount to those required of the Contractor.

All Contractors shall provide Contractors Pollution Liability with limits not less than:

Each Claim or Occurrence	\$1,000,000
Annual Aggregate	\$1,000,000

The Contractors Pollution Liability policy shall include coverage for Emergency Response Costs, Contingent Transportation, Non-Owned Disposal Sites, and Natural Resource Damage. If coverage is written on a claims-made basis, an Extended Reporting Period, or tail coverage, shall be provided for two (2) years following completion of the insured's services. In the alternative, the Contractors Pollution Liability policy shall be renewed for not less than two years following completion. The policy retroactive date shall be no later than the effective date of the Agreement.

- C. A copy of the Certificate of Insurance must accompany each bid. The Prime Contractor's attention should be directed to other sections of the contract documents in the event additional insurance is required based on the scope of work.

**10. APPROVAL**

The contractor shall receive approval in writing from the engineer before ordering any material for work to be done under this contract.

**11. STANDARDS AND WARRANTY OF TITLE**

No material, supplies, or equipment to be installed as part of the work shall be purchased subject to any chattel mortgage or under a conditional sale or other agreement by which any interest therein or in any part thereof is retained by the seller or supplier. The contractor shall warrant good title to all material, supplies, and equipment installed or incorporated in the work and upon completion of all work, shall deliver the same together by him to the City free from any claims, liens or charges. Neither the contractor nor any person, firm or corporation furnishing any material or labor covered by this contract shall have any right to a lien upon any improvement or appurtenance thereon. Nothing contained in this paragraph, however, shall defeat or impair the right of persons furnishing materials or labor to recover under any bond given by the contractor for their protection or any right under any law permitting such persons to look to funds due the contractor in the hands of the City. The provisions of this paragraph shall be inserted in all the subcontracts and material contracts and notice of its provisions shall be given to all persons furnishing materials for the work when no formal contract is entered into for such materials.

All equipment shall be unused in all component parts and will be the latest current production including all accessories. The specifications will be construed as the minimum required. When the manufacturer's standards exceed these, the standard units

will be furnished. All material will be free of defects. Manufacturer's standard warranties shall apply.

**12. GUARANTEE**

The contractor hereby guarantees all work for a period of one (1) year after the date of completion and final acceptance thereof by the City as follows:

- A. Against all faulty or imperfect materials and against all imperfect, careless, and/or unskilled workmanship.
- B. The contractor agrees to replace with proper workmanship and materials, and to re-execute, correct or repair without cost to the City, any work which may be found to be improper or imperfect and/or which fails to perform as specified.
- C. The guarantee obligations assumed by the contractor under these contract documents shall not be held or taken to be in any way impaired because of the specifications, indication or approval by or on behalf of the City of any articles, materials, means, combination of things used or to be used in the construction, performance and completion of the work or any part thereof.
- D. No use or acceptance by the City of the work or any part thereof, nor any failure to use the same nor any repairs, adjustments, replacements, or corrections made by the City due to the contractor's failure to comply with any of his obligations under the contract documents, shall impair in any way the guarantee obligations assumed by the contractor under these contract documents.

**13. EEO AND LICENSING**

The contractor shall be licensed to do business in the State of Delaware and shall be registered as a contractor in the City of Newark and possess all other required licenses. The contractor shall also be a fair and equal opportunity employer.

**14. PREFERENCE FOR DELAWARE LABOR**

According to State law, any person, company or corporation who violates the requirements of Title 29, Section 6962, of the Delaware Code regarding preference for Delaware Labor shall pay a penalty to the State Secretary of Finance equal to the amount of compensation paid to any person in violation of this Section. This regulation is waived if it is in conflict with Federal requirements.

**15. PREVAILING WAGES**

The work to be done under this street improvement contract is partially funded by the State of Delaware. However, the prevailing wage schedule established by the Department of Labor will not be applicable to this project.

**16. NONCOLLUSION**

The bidder shall not, either directly or indirectly, enter into any agreement, participate in any collusion, or otherwise take any action in restraint of free competitive bidding in connection with this contract.

**17. ADDENDA AND QUESTIONS**

Any changes to the contract documents shall be made only by written addenda. Bidders shall bear the entire responsibility for being sure they have received any and all addenda.

All addenda will be posted on the City website at [www.newarkde.gov/bids](http://www.newarkde.gov/bids). After the bids have been received, no claim that the bidder did not have complete information will be considered. No verbal agreement or conversation with any officer, agent, or employee of the City, either before or after the execution of this contract, shall affect or modify any of the terms or conditions outlined herein.

All questions/requests for information regarding this contract (bid process, drawings and technical specifications, etc.) must be submitted via email to [contracts@newark.de.us](mailto:contracts@newark.de.us) by 5:00 p.m. on Wednesday, April 14, 2021 to allow staff sufficient time to develop answers to questions deemed appropriate. Please submit all questions/requests for information in bulk (e.g., in a Word document attachment to an email) to limit the total number of emails received.

**18. EXCEPTIONS**

Any and all exceptions which are taken to the specifications and terms and conditions outlined herein shall be noted in the space provided on the proposal form. The listing of any exception may be grounds for rejection of a bid.

**19. INCREASE AND/OR REDUCTION OF ESTIMATED QUANTITIES**

- A. The contractor's attention is directed to the fact that the quantities indicated in this contract are approximate and may be increased or decreased by the engineer. An increase or a reduction in these quantities will in no way alter the unit prices bid by or paid to the contractor.

- B. It is the City's intent to use the total funding available for the 2021 Street Improvement Contract. The City therefore reserves the right to add to the number of streets to be repaired or resurfaced should funding be available to do extra work. The City shall also have the right to delete any portion of the work included in this contract or to change the specific streets that will be repaired. Regardless of any changes, deletions or additions authorized by the City, all work done under this contract shall be based on the unit prices stipulated by the contractor in his proposal.

**20. BASIS OF PAYMENT**

Payment for these items shall be included in the unit prices for each item as described in the Proposal. All other items, methods, and materials necessary to complete the work as described above shall be incidental to the bid item the work is being completed under. Application and Certification for Payment shall be made on proper AIA Documents including a G702 application and certificate of payment sheet and G703 continuation sheet. An example AIA form has been provided for the contractor's reference.

**21. ADVERTISEMENT**

It is further agreed that any bidder/contractor submitting bids will not use the name of the City in any advertisement without first obtaining the written consent of the City Manager.

**22. CONTRACTOR'S UNDERSTANDING**

No verbal agreement or conversation with any officer, agent or employee of the City of Newark, either before or after the execution of this contract, except as otherwise provided herein, shall affect or modify any of the terms or obligations contained herein.

**23. LIST OF SUBCONTRACTORS' CERTIFICATION**

- a. Each bidder shall execute and submit with his bid, on the form provided herein, a list of subcontractors, including complete names and addresses, whose services the bidder intends to use in performing all work under the contract. Bids submitted without such a list, or with a list not completely or properly executed, are subject to rejection.
- b. Each bidder is required to notify all subcontractors that they are obligated to comply with the provisions of Federal and State law as they pertain to this project, and that they must submit evidence of such compliance upon notice or request. The bidder shall certify his compliance with this requirement on the list of subcontractors.
- c. After the contract has been awarded, the successful bidder shall not substitute

another subcontractor for any subcontractor whose name was set forth on the list of subcontractors which accompanied his bid, without the written consent of the City.

**24. INDEMNIFICATION**

The contractor shall solely be responsible and liable for the accuracy and completeness of all work performed and shall agree to indemnify, defend and hold harmless the City of Newark, its officers, agents and employees, from and against any and all claims, actions, suits and proceedings arising out of, based upon or caused by negligent acts, omissions or errors of or the infringement of any copyright of patent, by the contractor, its officers, agents, employees or subcontractors, in the performance of the contracted agreement.

**25. TERMINATION OF AGREEMENT**

This agreement may be terminated by the City upon thirty (30) days written notice if the contractor fails to perform satisfactorily in accordance with the terms and conditions of the contract. In the event this agreement is terminated, the contractor shall be paid for services satisfactorily rendered up to the termination date.

**26. OWNERSHIP OF MATERIAL**

All documents prepared and submitted pursuant to this RFP or contract shall be property of the City upon submittal and will be subject to staff and public review and discussion in association with our public bidding and formal proposal process. Any information or documents deemed proprietary shall be so marked at time of submittal and limited to detail where the disclosure of contents could be prejudicial to competing offerors during the process of negotiation, and any commercial or financial information of a privileged or confidential nature.

**27. REGULATIONS AND EXCEPTIONS**

The application of lead paint as defined in Title 16, Chapter 30M of State Code and Chapter 7 of City Code as part of this contract is prohibited. The contractor will be subject to fines as outlined in State and City Code if it is determined that lead paint was applied in violation of State and City code.

Safety Data Sheet information for all paints applied to internal or external structures shall be provided to the City for review and approval prior to application. The contractor will be required to remove and remediate any lead paint to the satisfaction of the City, at no cost to the City. Prior to commencing removal and remediation efforts, the contractor shall provide a written remedial action plan which includes health safety protection requirements for both employees and the public for review and approval by the City and/or DNREC/DHSS. Any and all sample results that are generated as a result of improper application of lead paint shall be provided to the City within 5 working days of being received by the contractor. The

contractor will also be required to replace all paint removed with non-lead paint to the satisfaction of the City, and at no cost to the City.

Failure to adequately remove, remediate, and replace lead paint applied in violation of State and City Code as outlined herein will be considered a breach of contract.

**28. FORCE MAJEURE OCCURRENCE**

Upon the occurrence of a force majeure event, the City of Newark shall immediately notify the awarded vendor. In this instance, the City shall be excused from any further financial or contractual obligations for as long as such circumstances prevail. As used in this document, a “force majeure occurrence” means acts of God; acts of the public enemy; acts of the State and any other governmental entity in its sovereign or contractual capacity; fires; floods; epidemics or pandemics; quarantine restrictions; strikes or other labor disputes; freight embargoes; unusually severe weather; or other unusual event outside of the reasonable control of a party hereto that prevents a party to this Agreement from performing its contractual obligations.

CITY OF NEWARK

Delaware

CONTRACT NO. 21-06

2021 STREET IMPROVEMENT PROGRAM

SPECIAL PROVISIONS

**1. SCOPE**

The scope of the work involves replacing curbs, installing ramps, milling, hot mix resurfacing, hot mix patching and necessary restoration.

**2. ACCOMPANYING DRAWINGS AND SPECIFICATIONS**

- a. The City of Newark Standard Specifications for Road and Utility Construction and the Detail Standards, revised January 30, 2001, hereinafter referred to as the Standard Specifications, which are in their entirety a part of this contract, may be viewed and downloaded from the City website, free of charge, under Public Works Department, Standard Books.
- b. In case of any conflict with the General Provisions or any section of the Standard Specifications, these Special Provisions shall govern. It should be noted that the Standard Specifications are written in their standard form and portions of them may be inapplicable to the work covered under this contract. The applicability or inapplicability of the Standard Specifications shall be determined solely by the City.

**3. INTENT OF PLANS AND SPECIFICATIONS**

- a. The plans which accompany the specifications, if any, are herein designated contract plans are for the purpose of illustrating the general character and extent of the work and are subject to such modifications as may be found necessary or advisable, either before or during the execution of the work, and the contractor shall conform to and abide by whatever supplementary plans and explanations which may be furnished by the City of Newark for the purpose of illustrating the work in more detail.
- b. All work that may be called for in the specifications and not shown on the plans, or shown on the plans and not called for in the specifications shall be executed and furnished by the contractor as if described in both ways. Should any incidental work or material be required which is not denoted in the specifications or plans, either directly or indirectly, but which is nevertheless necessary for the proper carrying out of the intent thereof, the contractor is to understand the same to be implied as required and shall perform all such work and furnish all such material as fully as if

they were particularly delineated or described.

**4. EXAMINATION OF SITE, DRAWINGS, ETC.**

- a. Before submitting proposals, bidders shall inform themselves fully of the nature of the work by a personal examination of the site, the drawings and project manual, and by such other means as they may prefer to consider necessary, as to matters, conditions and considerations bearing or in any way affecting the preparation of their proposals and the contract. They shall not, at any time after submission of the proposal, dispute the accuracy of such drawings or the specifications and the general conditions nor assert that there is any misunderstanding in regard to the location, extent or nature of the work to be performed.
- b. The general contractor and each subcontractor will be required to furnish all labor and material of his own kind shown, indicated or implied reasonably by all drawings and/or the specifications, unless specifically noted otherwise. For his interest, each subcontractor should examine all drawings carefully and all parts of the specifications as well as those which refer primarily to his own branch or branches of the work.

**5. STARTING DATE AND SEQUENCE OF CONSTRUCTION**

The starting date of this contract will be as specified by the City in a written "Notice to Proceed." A preconstruction meeting shall be scheduled to decide a particular sequence of construction. The final decision as to sequence of construction shall be that of the engineer. There shall be no additional compensation for the preconstruction meeting. The planned work on Hillside Road shall be the last location scheduled unless otherwise directed by the City.

**6. SUPERVISION OF WORK**

The contractor shall generally supervise the work and shall secure full cooperation of all subcontractors, if any, to complete the work with a minimum of interference with the operating personnel of the City of Newark.

**7. WORKING FORCE**

- a. The contractor shall, at all times, enforce strict discipline and good order among his employees, and will not employ on the job any unfit person or anyone not skilled in the work assigned to him.
- b. The contractor shall employ only such foremen, superintendents and workmen as are careful and competent, and the City of Newark may demand the dismissal of any

person employed by the contractor who shall be guilty of misconduct or who neglects or refuses to comply with the directions given, and such person shall not again be employed at the site of this contract without express written consent of the City. Failure of the contractor to comply with these provisions shall be sufficient reason for the City of Newark to withhold all estimated payments which are or may become due, or its representatives may suspend the work until compliance with such orders is affected.

**8. INSPECTION OF MATERIAL AND WORK**

- a. Workmanship shall be of good quality and all work and material shall be at all times subject to the inspection of the City of Newark or their duly authorized representatives. The contractor shall provide reasonable and necessary facilities for such inspection. If required by the City of Newark, the contractor shall take down or uncover portions of the finished work.
- b. The contractor agrees that in case any of the material or work, or both, shall be rejected as defective or unsuitable by the engineer, the material shall be replaced, and the work shall be done again immediately to the satisfaction and approval of the engineer at the cost and expense of the contractor. Should the work thus exposed prove satisfactory, the cost of exposing and restoring same shall be at the expense of the City of Newark, but if it should prove to be unsatisfactory, all costs shall be at the expense of the contractor.
- c. Any omission or failure on the part of the City of Newark or its Inspectors to disapprove or reject any defective work or materials shall not be construed to be acceptance of any defective work or material.
- d. Should the engineer not consider the defect of sufficient importance to require the contractor to replace any imperfect work or materials, the engineer shall have the power to make an equitable deduction from the stipulated price.

**9. WORKING HOURS**

- a. Working hours for the contract will be limited to 7.5 hours, 8:00 a.m. to 4:00 p.m., unless otherwise authorized by the engineer, and it is not contemplated that the contractor will work on Saturdays, Sundays or holidays.
- b. In case of emergency, or in case the contractor desires to work on Saturdays, Sundays, or holidays, or hours in excess of 7.5 on any one working day, the contractor shall request permission of the engineer to do so. If, in the opinion of the engineer, the reason for working is bona fide, permission will be granted to the contractor to work such hours as may be necessary. Also, if in the opinion of the engineer, a bona fide emergency exists, he may direct the contractor to work such hours as may be

necessary, whether the contractor requests permission to do so or not.

- c. In the event that the contractor works in excess of 7.5 hours per day, or Saturdays, Sundays, or holidays, the contractor shall be required to pay for inspection or engineering services performed during these times. Payments for these additional services shall be made by a deduction in the final Application and Certification for Payment.
- d. Payments for these additional services shall be made by a reduction in the amount paid to the Contractor based upon the hourly rates defined in the table below.

<b>Labor Classification</b>	<b>Hourly Rate</b>
Inspecting Services	\$62.00
Engineering Services	\$75.00

Contractor shall notify the Owner forty-eight (48) hours in advance of their intent of working outside of normal working hours.

- e. Activities that do not require inspection may take place outside the 7.5 hour window without reimbursement for inspection if approved by the Inspector.

#### **10. PROTECTION TO PUBLIC AND PROPERTY**

- a. The contractor shall ensure protective measures to the general public and to occupants of property along and adjacent to the work.
- b. The contractor shall be strictly responsible for any and all damage or injury of every kind and description which directly or indirectly may be done to any property or sustained by any persons during the execution of the work.
- c. When or where any direct or indirect damage or injury is done to public or private property by or on account of any act, omission, neglect or misconduct in the execution of the work, the contractor shall restore at his own expense such property to a condition similar or equal to that existing before such damage or injury was done by repairing, rebuilding or otherwise restoring as may be directed, or he shall make good such damage or injury in an acceptable manner.

#### **11. SAFETY PRECAUTIONS**

- a. The contractor shall execute this contract with the utmost concern for the safety of the general public. All areas worked upon and subject to travel by the public shall be identified with the proper warning indicators and signs during the working period. Upon completion of the contract or when such areas are reopened to public travel, they shall be rendered in a safe condition using either temporary or permanent repair material as the case may be. No private driveway shall be blocked or closed

without the property owner or resident being notified prior to construction.

- b. Streets and roads used by the contractor for storage of material or for access to and from the work site shall be protected from damage in excess of that caused by the normal traffic of vehicles used for or in connection with construction work. Any such damage done shall be repaired immediately and left in good condition at the end of the construction period and shall be repaired at the contractor's expense.
- c. The Contractor shall maintain spill response equipment appropriate for the types and quantities of fluids and/or materials that may be subject to spillage during the project on-site at all times. All discharges to the storm drainage system or surface waters are strictly prohibited. In the event that a spill reaches the storm drainage system and/or surface waters, the Contractor shall notify the Public Works and Water Resources Department immediately at (302) 366-7000. The Contractor will also be responsible for spill response and cleanup at no cost to the owner. If the Contractor fails to respond to and clean up a spill to the satisfaction of the owner, the owner will perform clean up and bill the Contractor for 150% of the personnel time and material expenses incurred by the city as necessary for the response.

**12. RIGHT-OF-WAY**

All operations shall be confined to the assigned area. The City will provide no right-of-way over other properties. It shall be the contractor's responsibility to obtain permission from any neighboring property owner if the contractor finds it necessary to enter upon or use private property in any manner in the execution of the work. The contractor shall take every possible precaution to minimize the inconvenience to the owners or tenants of adjacent property. Public roadways shall not be obstructed in such a way as to cut off traffic unless authorized by the engineer. The contractor shall, at his own expense, repair any damage or injury to either public or private property during the progress of the work.

**13. LINES, GRADES, FIELD STAKEOUT**

The City Surveyors will furnish the contractor with lines and grades necessary for the completion of the work as necessary.

**14. EXCAVATED MATERIAL**

It shall be the responsibility of the contractor to dispose of all excavated material which in the opinion of the engineer is unsatisfactory for backfill or fill. The cost of this disposal shall be borne by the contractor.

**15. SALVAGEABLE MATERIAL**

All salvageable items and material designated by the engineer, in addition to the excavated material covered in Special Provisions #14, shall be removed to City property, if directed by the engineer.

**16. RESTORATION OF DISTURBED SURFACES**

Upon completion of the work, all related work pertaining to lawns, shrubbery, driveways, mailboxes, and slopes which have been disturbed shall be restored to their original condition, including topsoiling, seeding and installation of biodegradable erosion control matting at the contractor's expense. Topsoil and seeding shall conform to Item 29 and 31 in the City of Newark Standard Specifications.

**17. DUST CONTROL AND EROSION AND SEDIMENT CONTROL**

It shall be the responsibility of the contractor to handle dust control and the installation and utilization of any required erosion and sediment control devices on this project, in accordance with DNREC specifications.

**18. LOCATION OF UTILITIES**

- a. It will be the responsibility of the contractor to call "Miss Utility," at #811, before any excavation work begins for marking the location of existing utilities.
- b. Any damage done to existing utility lines, services, poles and structures shall be repaired or replaced by the contractor at his own expense.

**19. SANITARY PROVISIONS**

The contractor shall provide and maintain in a neat and sanitary condition such sanitary conveniences and accommodations for the use of his employees as may be necessary to comply with the requirements and regulations of the Department of Health or of other bodies or tribunals having jurisdiction thereof. He shall commit no public nuisance.

**20. WATER SUPPLY**

The contractor shall not use City fire hydrants. The City will make arrangements for the contractor to obtain the water required for this contract from the Phillips Ave. Maintenance Complex.

**21. SUPERVISION OF THE ENGINEER**

The work is to be carried out under the supervision of the engineer and to his entire satisfaction. The work and materials shall be strictly of the best quality of the kinds specified herein and should any work or materials other than those specified or shown be introduced into the construction of the work, the engineer, or his authorized agent, shall have full power to reject them and they shall be removed from the premises within three (3) days by the contractor after being notified to do so.

**22. AUTHORITY OF THE ENGINEER**

The engineer shall in all cases, determine the amount of quantity, quality and acceptability of the work and materials which are to be paid for under this contract; shall decide all questions in relation to said work and performance thereof; and shall, in all cases, decide questions which may arise relative to the fulfillment of the contract or to the obligations of the contractor thereunder.

**23. CLEANING UP**

- a. The contractor shall at his own expense, keep the sites of his operations clean during construction and remove all rubbish as it accumulates.
- b. Upon failure of the contractor to keep the site of his operations clean to the satisfaction of the engineer, the City may upon twenty-four (24) hours' notice to the contractor, remove any rubbish, materials, earth, etc., which the engineer may deem necessary, charging the cost thereof to the contractor and may deduct the amount from any monies that may be due him.

**24. MAINTENANCE OF TRAFFIC**

- a. The contractor must provide for the maintenance of traffic. The road, while undergoing improvements, shall be kept open to all traffic by the contractor unless otherwise directed by the City. The contractor shall keep the portion of the road being used by public traffic in such condition that traffic will be adequately accommodated. He shall also provide and maintain in a safe condition temporary roadways and approaches to crossings, intersections, roads, streets, businesses, parking lots, residences, garages, etc.
- b. So far as practicable, materials stored upon the roadway shall be placed so as to cause as little obstruction to the traveling public as possible. Fire hydrants on or adjacent to the roadway shall be kept accessible to fire apparatus at all times, and no material or obstruction shall be placed within 15 feet of any such hydrant. The

contractor shall not disturb the surface of an existing road farther in advance of the new construction than can be completed in a reasonable length of time as determined by the engineer. The contractor shall provide flaggers and properly maintain retroreflective signs and barricades for the information, protection, and safety of the traveling public, conforming to DelDOT's Manual on Uniform Traffic Controls Devices (MUTCD). The cost for all required maintenance of traffic shall be incidental to the work being completed. The contractor shall coordinate directly with the City inspector(s) for any planned lane closures and shall submit a detour plan for City review and approval for any full road closures.

**25. EXISTING TRAFFIC SIGNS**

The contractor shall be responsible for removal and reinstallation of all signs in the work area. The contractor and the Inspector shall inventory all traffic signs on all streets subject to improvements. Signs necessary for the safe movement of traffic shall be maintained in operation during construction. Any other signs shall be properly stored by the contractor, who shall be responsible for loss or damage. The contractor and Inspector shall, again, inventory traffic signs when all work on the contract is complete and account for any loss or damage.

CITY OF NEWARK

Delaware

CONTRACT NO. 21-06

2021 STREET IMPROVEMENT PROGRAM

TECHNICAL SPECIFICATIONS

**1. HOT-MIX, HOT-LAID BITUMINOUS CONCRETE PAVEMENT FOR OVERLAY AND BASE RECONSTRUCTION**

a. This work shall conform to the specifications outlined in Item 39 of the Standard Specifications and the following:

- i. Bituminous concrete base course shall meet the requirements of the Delaware State Highway Department, Type "B", 160 Gyrations, PG 64-22.
- ii. Bituminous concrete wearing course shall meet the requirements of the Delaware State Highway Department, Type "C", 160 Gyrations, PG 64-22.

b. Gradation Requirements:

<u>SIEVE SIZE</u>	<u>TYPE "B" BINDER PERCENT PASSING</u>	<u>TYPE "C" TOP PERCENT PASSING</u>
1-1/4"	100	---
1"	95 - 100	---
3/4"	75 - 95	---
1/2"	50 - 80	100
3/8"	45 - 70	85 - 100
#4	30 - 50	50 - 75
#8	22 - 38	33 - 59
#30	9 - 23	14 - 32
#50	6 - 18	7 - 26
#200	3 - 10	3 - 10
A.C. %	3.5 - 5.5	4.5 - 6.5
Temperature	275° – 325°F	275° – 325°F

- c. The hot-mix bituminous concrete base course Type "B" shall be placed on the designated areas to the depth specified in the contract in accordance with Item 39 of the Standard Specifications, including a tack coat of all edge and existing asphalt surfaces.
- d. The hot-mix bituminous concrete Type "C" wearing course shall be placed over the hot mix base course on reconstructed streets to the depth specified in the contract in accordance with Item 39 of the Standard Specifications, including a fog coat of

- CSS-1H asphalt emulsion (diluted with 50% water) applied to the base course.
- e. The hot-mix bituminous concrete Type "C" overlay for existing streets shall be placed to the depth specified in the contract in accordance with Item 39 of the Standard Specifications, including a tack coat of CSS-1H asphalt emulsion (diluted with 50% water) applied to the existing asphalt surface.

## **2. HOT MIX STREET PATCHES**

This item consists of saw cutting old pavement to the required depth and replacing it with 2½" Type "B" binder course and 1½" Type "C" topping course, 3" Type "B" only on areas receiving overlay unless otherwise specified. The asphalt wearing surface shall be flush with existing pavement elevation. All patches on streets not receiving asphalt overlay are to be sealed and made watertight. This item shall be completed in accordance with the provisions outlined in Item 39 of the Standard Specifications. Excavation will be paid under Item 2, unless otherwise specified.

## **3. PAVEMENT MILLING**

This item consists of furnishing a pavement milling machine and milling the existing bituminous concrete pavement at the locations and to the depths shown on the plans, described in the contract documents, or as directed by the engineer. The pavement milling machine shall be one with a proven record for use in milling hot mix pavements. The contractor shall deliver approximately 20 loads of millings to Iron Glen Park off Elkton Road. The remaining milled material shall be reused, salvaged, or disposed of by the contractor. Base asphalt is to be placed within two (2) days after milling any particular location unless otherwise directed by the Inspector.

## **4. APPLICATION OF TACK COAT FOR OVERLAY**

- a. A tack coat of CSS-1H asphalt emulsion (diluted with 50% water) meeting the requirements of AASHTO 208 shall be applied on all concrete and asphalt surfaces being resurfaced with hot-mix bituminous concrete. Prior to the application of the tack coat, the surfaces shall be dry and broomed clean. The tack coat shall be applied at the rate specified in the DelDOT Standards Subsection 401.07. The tack coat shall be applied only as far in advance of the hot mix operation as is anticipated for the current day's operation.
- b. Asphalt for this purpose shall not be a separate bid item but shall be incidental in the price per ton bid for Item 39, Hot-mix, Hot-laid Bituminous Concrete.

**5. CONSTRUCTION METHODS**

The contractor shall plan the resurfacing operation so that by the end of each day's operation, both travel lanes shall have the same amount of longitudinal milling or resurfacing completed to avoid leaving the centerline longitudinal seam exposed overnight.

**6. JOINTS**

All tie-ins of hot mix to existing pavements are to be butt joints, not less than 36 inches wide, saw cut on a straight line to expose a vertical surface, and shall be sealed and made watertight. Saw cutting, excavation, temporary ramp and other preparation of the joint shall be incidental to the milling or paving operation.

**7. REPLACING CURB, GUTTER AND SIDEWALK**

All curbs, gutters or sidewalks removed shall be replaced in conformance with the City of Newark Standard Specifications and Detail Standards.

**8. CONCRETE**

All concrete used for this contract shall be DelDOT Class B, unless otherwise specified. All concrete must be received from an approved production plant. No on-site mixtures will be permitted.

**9. CURING COMPOUND**

- a. The contractor is directed to use a white membrane curing compound of his choosing. However, before the start of any construction, the contractor shall submit to the engineer for approval, the specifications of said compound and his source of supply. Acceptance for continued use will be based on satisfactory field performance.
- b. As soon as possible, properly mixed curing compound shall be applied uniformly to completely cover the entire surface.

CITY OF NEWARK

Delaware

CONTRACT NO. 21-06

2021 STREET IMPROVEMENT PROGRAM

MEASUREMENT AND PAYMENT

**1. GENERAL**

- a. Payment for the material furnished and work done under this contract will be made as stipulated herein for the amount of materials supplied and work done under authorization of the engineer and in accordance with actual measurements; and the contractor shall not be entitled to receive additional compensation for anything else furnished or done, except for such extra work as shall be required by a written change order issued and approved by the City.
- b. It is intended that all work shown on the contract drawings and included in the specifications is to be paid for under the items listed in the proposal form. The absence from the proposal form of bid items specifically described in the Standard Specifications or shown on the drawings shall be interpreted as meaning that the cost of such work contemplated by the contract documents shall be included in the prices bid for related items for which quantities have been established.
- c. All work shall be paid based on the methods of Measurement and Payment Provisions in the Standard Specifications except as otherwise noted herein.
- d. The item numbers referenced in this contract relate to the Construction Details outlined in the Standard Specifications.
- e. The contractor shall prepare a monthly Application and Certification for Payment of the total amount of work completed on the contract. For the purpose of arriving at a basis for monthly payment , the contractor shall submit an invoice for work performed during the preceding month, with a breakdown of which locations the work was performed and the unit prices for the various items included in the proposal.
- f. In accordance with Title 29, Section 6962 of the Delaware Code, the City shall retain five percent (5%) of the funds to be paid to the contractor during the contract until completion and final acceptance of all work by the City.

**2. ITEM 2 – EXCAVATION**

- a. Excavation will be computed by the method of average end areas and will be measured by cross sections taken at regular intervals and at breaks in grade. All excavation will be measured in its original position.
- b. Excavation will be paid for at the contract unit price per cubic yard bid, which price and payment will include the removal of all obstructions not covered under other items, excavation for backfilling around structures, the disposal of all surplus material and the preparation of the subgrade.
- c. Excavation for undercut and the removal of asphalt overlay from existing integral curb gutters will be paid under this item.

**3. ITEM 2A – EXCAVATION OF EXISTING CONCRETE UTILITY PATCHES**

Removal of existing concrete utility trench patches which may be encountered while excavating the roadway or removal of concrete sidewalk not covered under other items, will be paid under this item. This excavation will be paid at the contract price per square yard bid, as measured on the top surface, and shall be full compensation for disposal of all surplus material, all labor, equipment, and incidentals necessary to complete the work.

**4. ITEM 8 – GRADED AGGREGATE BASE COURSE**

- a. The quantities to be paid for shall be the number of tons of CR-1 or crusher run constructed on a prepared subbase for undercut of street base or where directed by the engineer.
- b. The number of tons of CR-1 or crusher run as determined above will be paid for at the contract unit price per ton bid for this item. The bid price shall be full compensation for furnishing, hauling, unloading, spreading, sprinkling, compacting, and for all labor, equipment, tools and incidentals necessary to complete this item as specified.
- c. Certified weight slips will be required, showing the actual weight of the material. It will be the responsibility of the Inspector to obtain all weight slips at the end of each working day.

**5. ITEM 21D & 21D-1 – PERFORATED PIPE UNDERDRAIN INSTALLATION**

- a. This item shall consist of furnishing and installing 4" perforated ADS dual wall HDPE pipe with snap coupling or approved equal, as indicated on the accompanying drawings.

- b. Furnishing and installing a geotextile fabric trench liner, ACF Environmental M200 or approved equal. Fabric to have a 1' overlap over the stone backfill.
- c. Furnish and placing DE #57 stone to encase the drain pipe.
- d. Payment for these items shall be for the number of linear feet of perforated underdrain installed in place, complete and accepted, as measured from end to end, at the contract unit price bid. Price and payment shall be full compensation for saw cutting existing pavement where required, excavation and disposal of all surplus material, furnishing and installing geotextile fabric, drainage pipe, snap couplings, end caps and all other necessary fittings, #57 stone, crusher run backfill, tie into existing catch basin and all labor, materials, tools, equipment and incidentals necessary to complete this item.

**6. ITEM 22A – ADJUST VALVE OR CURB STOP BOXES**

- a. Payment for item 22A shall consist of raising or lowering the valve boxes or curb stop boxes to accommodate the hot-mix resurfacing. The extensions and the bases shall be adjusted so as to be perpendicular and also shall be adjusted so that a key will easily fit on the valve nut. The excavation done in preparation shall be considered spoil and shall be replaced with concrete to within 2" of the top of the valve box.
- b. Any replacements for defective or broken parts will be furnished by the City and installed by the contractor, provided the parts were not broken by the contractor, in which case the contractor will be back charged for same.
- c. The number of adjusted valve boxes or curb stop boxes as provided above shall be paid for the contract price bid for the item, which price and payment shall be full compensation for excavating, and placing all materials, backfilling, resetting the boxes to proper grade, and providing all labor, equipment, tools and incidentals necessary to complete this item.

**8. ITEM 26, AND 26A – REMOVE AND REPLACE 4" AND 6" SIDEWALK**

- a. The sidewalk to be paid for under this item shall be for the number of square feet measured upon the surface of cement concrete sidewalk constructed in accordance with the specifications, complete in place and accepted by the engineer.
- b. Payment for removing and installing 4" or 6" concrete sidewalk as per plans and specifications shall be made at the unit price per square foot of sidewalk actually installed. The number of square feet paid for shall be at the unit price bid for this item which constitutes full compensation for removing old sidewalk and installing new sidewalk, furnishing and placing crusher run where unsuitable base is found, backfilling, replacing topsoil, seeding, and all equipment, labor, and incidentals

necessary to complete this item.

**9. ITEM 26C – INSTALL 4" CONCRETE CURB RAMPS**

- a. The 4" sidewalk to be paid for under this item shall be for the number of square feet measured upon the surface of the ramp including the area receiving the detectable warning blocks. The base shall be graded so that the thickness of the concrete under the detectable blocks is 4".
- b. Payment for removing the old sidewalk and installing new concrete ramp shall be made at the unit price per square foot of ramp actually installed. The number of square feet paid for shall be at the unit price bid for this item which constitutes full compensation for removing existing sidewalk, installing new concrete ramp, furnishing and placing crusher run where unsuitable base is found, backfilling, restoring area by grading existing ground to meet ramp (3:1 maximum slope where possible), placing topsoil, and seed, all equipment, labor, and incidentals necessary to complete this item, including placing cork expansion along adjacent concrete curb. Any sidewalk that requires replacement beyond the limits to achieve the required slope or that is beyond the 15' maximum length from the nearest edge of the landing area will be paid under the appropriate sidewalk item.
- c. Curb replacement will be paid under Item 40.

**10. ITEM 26D – INSTALL SIDEWALK DETECTABLE WARNING SYSTEM**

- a. The detectable warning system to be paid for under this item shall be for the number of square feet measured upon the surface of the installed blocks.
- b. Payment for furnishing and installing red concrete detectable warning truncated dome blocks shall be made at the unit price per square foot of warning blocks actually installed.
- c. The number of square feet paid for shall be at the unit price bid for this item which constitutes full compensation for furnishing and installing red concrete detectable warning truncated dome blocks flush with the ramp surface per specifications and providing all labor, material, tools, and incidentals necessary to complete this item, including sealing the joint between the blocks and any voids along the edges of the blocks with an approved clear sealant.

**11. ITEM 27A - REPLACEMENT OF EXISTING SINGLE CATCH BASIN CURB INLET**

- a. Replacement of existing single catch basin curb inlet will not be measured.

- b. Replacement of existing single catch basin curb inlet shall be paid for at the contract unit price bid, which price and payment shall constitute full compensation for excavating, removing old curb inlet and replacing deteriorated portions of the structure as necessary to 3 feet below grate, crusher run backfill, tamping, placing topsoil and seed, resetting the frame and grate to proper grade, for all labor, material, equipment, tools, and incidentals necessary to complete this item.
- c. Repairs to structure below 3 feet and not more than 4.5 feet shall be paid for at 1.5 times the unit price bid for this item.

**12. ITEM 27A-1 – REPLACEMENT OF EXISTING DOUBLE CATCH BASIN CURB INLET**

- a. Replacement of existing double catch basin curb inlet will not be measured.
- b. Replacement of existing double catch basin curb inlet shall be paid for at the contract unit price bid, which price and payment shall constitute full compensation for excavating, removing old curb inlet and repairing deteriorated portions of the structure as necessary to 3 feet below grate, including replacing the galvanized I-Beam if necessary, crusher run backfill, tamping, placing top soil and seed, resetting the frame and grate to proper grade, for all labor, material, equipment, tools, and incidentals necessary to complete this item.
- c. Repairs to structure below 3 feet and not more than 4.5 feet shall be paid for at 1.5 times the unit price bid for this item.

**13. ITEMS 28A AND 28A-1 – ADJUST MANHOLES**

- a. Payment for this item shall consist of raising or lowering manhole frames and covers a proper distance to accommodate the hot mix for overlay or reconstruction. The City will furnish and deliver new waterproof covers where none exists and collect the old ones.
- b. Clay brick and mortar shall be used to adjust the manhole frames. Frames shall be well bedded in mortar.
- c. Excavation in preparation of adjusting manhole frames, per attached detail, will be considered a spoil item and shall be replaced with concrete to within 2" of the top of the cover.
- d. The number of adjusted manholes as provided above shall be paid for at the contract unit price bid for this item, which price and payment shall constitute full compensation for saw cutting existing pavement, excavating, removing the cover and portions of the structure as necessary, repairing deteriorated portions of the structure, furnishing and placing all materials, resetting the covers to proper grade,

pouring concrete collar, and providing all labor, equipment, tools and incidentals necessary to complete this item.

**14. ITEM 39, 39A, 39B, 39C AND 39D – HOT MIX, HOT LAID BITUMINOUS CONCRETE PAVEMENT FOR RESURFACING AND PATCHING**

- a. The bituminous concrete base course, Type "B", for reconstructed streets shall be placed on the areas specified to the depth indicated in accordance with the Standard Specifications, including the application of tack coat on all edge surfaces and existing asphalt areas.
- b. The bituminous concrete wearing course, Type "C", for reconstructed streets shall be placed on the areas specified to the depth indicated in accordance with the Standard Specifications including the application of tack coat on all edge surfaces and existing asphalt areas, applied at the rate specified in the DelDOT Standards Subsection 401.07.
- c. The bituminous concrete base course, Type "B", for patched areas shall be placed to the depth indicated, in accordance with the Standard Specifications including saw cutting of the existing pavement before patching and the application of tack coat on all edge surfaces. Temporary patching in front of new curbs shall be paid under this item. Excavation will be paid under Item 2, unless otherwise specified.
- d. The bituminous concrete wearing course, Type "C", for patched areas shall be placed on bituminous concrete base course to a depth of 1½" to complete the patch, flush with existing pavement surface, in accordance with the Standard Specifications, including saw cutting of the existing pavement before patching and the application of tack coat on all edge surfaces and existing asphalt areas All patches to be sealed and made watertight where intersecting existing pavement.
- e. The bituminous concrete base course, Type "B", for undercut of street base shall be placed to a depth of 4" or 6" as directed by the Engineer. The existing street base shall be test rolled after the milling operation and the Inspector will identify any areas requiring undercut. Excavation will be paid under Item 2.
- f. Payment for Items 39 thru 39D shall be for the actual tonnage placed at the contract unit price per ton bid for each item, which price and payment shall be full compensation for furnishing, preparing, hauling and placing all material and for providing all labor, equipment, tools, and incidentals necessary to complete these items.
- g. The tonnage of excess hot mix delivered, which the Inspector and contractor shall estimate and mutually agree upon, will not be paid for.

**15. ITEM 39E – HOT MIX, HOT LAID BITUMINUS CONCRETE PAVEMENT FOR RESURFACING FAIRFIELD PARK PARKING LOT.**

- a. The type “C” hot mix shall be placed to the depth specified in the contract in accordance with the standard specifications.
- b. Payment for this item shall be at the contract unit price per ton bid which shall be full compensation for furnishing and placing all material and for providing all labor, equipment and incidentals necessary to complete this item including removing, storing and resetting existing bumper blocks, cleaning and tacking the existing pavement surface after milling; laying out and painting parking spaces using an epoxy resin paint, restoring all disturbed areas along the perimeter of new paving with top soil, seed and biodegradable erosion control matting.
- c. Type “B” base hot mix, base hot mix patching and base hot mix for undercut patching will be paid under Item 39, 39B and 39D, respectively.
- d. Type “C” hot mix for patching in front of the new curbs along Stamford Drive will be paid under item 39C of the contract.
- e. Milling of the existing pavement surface at Fairfield Park will be paid under Item 46 of the contract.
- f. The tonnage of excess hot mix delivered, which the Inspector and contractor shall estimate and mutually agree upon, will not be paid for.

**16. ITEMS 40 THRU 40E – REPLACEMENT OF ROLLED CURB, VERTICAL CURB OR INTEGRAL CURB**

- a. These items shall consist of the removal and replacement of rolled, vertical or integral curb made of Portland cement concrete, constructed on a subbase in accordance with Specifications and of the form, dimensions and design shown in the Standard Details. The base upon which the curb and gutter is to be set shall be compacted to a firm, even surface. All soft and unsuitable material shall be removed and replaced with suitable material. All forms shall be set true to line and grade and held rigidly in position so as to prevent leakage of mortar. They shall be either metal or acceptable planed and matched lumber, straight, free from warp and of sufficient strength to resist springing when the concrete is deposited against them. If of wood, they shall be of two-inch (2”) surfaced plank; if of metal, they shall be of approved sections and shall have a flat surface on top.

If practical, the use of an approved curb machine will be permitted.

- b. Payment for removing old and installing new rolled, vertical or integral (Items 40 thru 40E), shall be for the actual number of linear feet placed. The linear measure as

provided for in the Specifications, Item 40, shall be paid for at the contract unit price, which price and payment shall be full compensation for removing old curb, or excavating existing material where no curb exists, installing new curb, furnishing and placing of all materials, labor and other preparations incidental to installing this item complete, including saw cutting asphalt one (1) foot in front of curb, placing and tamping all backfill and restoring grass areas with top soil, seed and biodegradable erosion control matting. Backfilling shall be done immediately after the curb is complete and the forms removed. All backfill in the roadway shall be crusher run. Hot mix repair, where required by the Engineer, will be paid under Item 39B or 39C.

**17. ITEM 46 – PAVEMENT MILLING**

Payment for this item shall be for the number of square yards per inch of depth of pavement milled as directed by the engineer. Any additional depth not approved by the engineer will not be paid. Payment shall be full compensation for furnishing an accepted pavement milling machine and operator, for removal of the milled material, for transporting equipment, for all labor, tools and equipment and incidentals necessary to complete this item, including preparation of the butt joints and placing millings as ramps at driveways, manholes and valve boxes. The contractor shall deliver approximately 20 loads of millings to Iron Glen Park off Elkton Road. The remaining milled material shall be reused, salvaged, or disposed of by the contractor.

**19. ITEM 47 – GEOTEXTILE SUPPORT FABRIC – MIRAFI 600X OR APPROVED EQUAL**

- a. This item shall consist of furnishing and installing a geotextile fabric under the base hot mix on a compacted subbase according to the manufacturer's recommendation.
- b. Fabric shall be placed so the number of laps is kept to a minimum. Overlaps should be a minimum of one foot.
- c. Payment for this item shall be for the number of square yards measured complete in place, including all labor, tools, and incidentals necessary to complete this item. The overlap area does not count twice.

**20. ITEM IP2 – INSTALLATION, MAINTENANCE AND REMOVAL OF TYPE 2 INLET PROTECTION**

- a. This item shall consist of furnishing, installing, maintaining, and removal of Type 2 inlet protection in accordance with DNREC Specifications.
- b. The contractor shall provide inlet protection as directed by the inspector prior to beginning curb removal and replacement at any location. Following the completion of curb replacement, soil stabilization practices, sweeping, and temporary patching in front of new curbs where required, the contractor shall remove the inlet

protection and relocate it to the next proposed street location.

- c. Payment for this item shall constitute full compensation for furnishing the specified amount of Type 2 inlet protection, installation and removal of same, periodic cleaning and maintenance, replacement of any broken or defective parts, and any labor, tools, equipment, or other incidentals necessary to complete this item.

**21. ITEM PVC – INSTALLATION OF 35’ LINEAR FEET OF 4” SCHEDULE 40 PVC PIPE**

- a. This item consists of furnishing, trenching, installing, and backfilling two (2) 35’ linear feet of 4” Schedule 40 PVC pipe with end caps across Hillside Road, to the required depth in accordance with the contract documents.
- b. Payment for this item shall be for installation of two 35’ length of 4” Schedule 40 PVC conduit. Unit pricing is lump sum for the conduit installed and shall provide full compensation for furnishing 70’ linear feet of 4” Schedule 40 PVC pipe; saw cutting existing pavement; trench excavation in the roadway to the required depth; cleaning and preparing pipe joints with primer and pipe cement solvents; installation of 4” PVC pipe and end caps; backfilling and compacting with crusher run; installation of detectable underground warning tape; and all material, labor, equipment and incidentals necessary to complete this item.

**22. ITEM STRIPE(1) THRU STRIPE(5) – EPOXY RESIN PAVEMENT MARKINGS ON HILLSIDE ROAD**

- a. Item STRIPE(1) – Permanent striping of 5” wide white edge lines along Hillside Road in epoxy resin paint. Payment for this item shall be based upon a linear foot measurement of 5” wide white edge line installed.
- b. Item STRIPE(2) – Permanent striping 5” wide double yellow lines along Hillside Road in epoxy resin paint. Payment for this item shall be based upon a single linear foot measurement accounting for both 5” wide double yellow lines installed.
- c. Item STRIPE(3) – Crosswalk markings along Hillside Road in epoxy resin paint. Payment for this item shall be based upon each completed set of crosswalk markings installed at the proposed locations.
- d. Item STRIPE(4) – Stop bar markings along Hillside Road in epoxy resin paint. Payment for this item shall be based upon each completed stop bar installed at the proposed locations.
- e. Item STRIPE(5) – Bike symbol markings along Hillside Road in epoxy resin paint. Payment for this item shall be based upon each completed bike symbol installed at the proposed locations.

- f. All striping shall be in accordance with the latest version of the DE MUTCD and the contract documents. Construction methods for epoxy resin paint installation shall be in conformance with DelDOT Standard Specifications, Sections 817 & 1071.

CITY OF NEWARK

Delaware

CONTRACT NO. 21-06

2021 STREET IMPROVEMENT PROGRAM

LOCATION AND IMPROVEMENTS

<u>LOCATION</u>	<u>APPROXIMATE AREA IN SQUARE FEET</u>
1. Blue Jay Drive – Cul-de-sac to Cul-de-sac Curb Replacement and catch basin repair Mill roadway 3 ½” 2” Type “B” hot mix Adjust manholes (9) 1 ½” Type “C” hot mix	45,400
2. Dove Drive – Blue Jay Drive to Oriole Drive Curb Replacement and catch basin repair Mill roadway 3½” Undercut and regrade sink hole area 2” Type “B” hot mix Adjust manhole (1) 1 ½” Type “C” hot mix	9,900
3. Creek Bend Drive – 401 Creek Bend Drive to Cul-de-sac Curb replacement and catch basin repair Install underdrain at catch basin Mill roadway 3 ½” 2” Type “B” hot mix Adjust manholes (2) 1 ½” Type “C” hot mix	26,100
4. Country Hills Drive – High Ridge Court to Barksdale Road Curb Replacement and catch basin repair Install underdrain at catch basins Mill roadway 3 ½” 2” Type “B” hot mix Adjust manholes (4) 1 ½” Type “C” hot mix	27,830

<u>LOCATION</u>	<u>APPROXIMATE AREA IN SQUARE FEET</u>
5. Sypherd Drive – Wilson Road to Old Oak Road Curb replacement and catch basin repair Mill roadway 3 ½" 2" Type "B" hot mix Adjust manholes (3) 1 ½" Type "C" hot mix	25,670
6. Moss Court – Shenandoah Drive to Cul-de-sac Curb replacement and catch basin repair Mill roadway 3 ½" 2" Type "B" hot mix Adjust manholes (2) 1 ½" Type "C" hot mix	11,500
7. Shenandoah Drive – Nightingale Circle to Moss Court Curb replacement and catch basin repair Mill roadway 3 ½" 2" Type "B" hot mix Adjust manhole (1) 1 ½" Type "C" hot mix	13,260
8. Hayden Way – Walker Way to Dead End Curb replacement and catch basin repair Install curb ramps (2) Mill roadway 2" Adjust manholes (2) 2" Type "C" hot mix	52,160
9. Walker Way – Cullen Way to Cul-de-sac Curb replacement and catch basin repair Install curb ramps (4) Mill roadway 2" Adjust manhole (1) 2" Type "C" hot mix	53,140
10. Renee Court – Cul-de-sac to Cul-de-sac Curb replacement and catch basin repair Mill roadway 3 ½" 2" Type "B" hot mix Adjust manhole (1) 1 ½" Type "C" hot mix	9,590

<u>LOCATION</u>	<u>APPROXIMATE AREA IN SQUARE FEET</u>
11. Heather Court – Renee Court to Cul-de-sac Curb replacement and catch basin repair Mill roadway 3 ½" 2" Type "B" hot mix 1 ½" Type "C" hot mix	16,600
12. Andrews Way – New London Road to Heather Court Curb replacement and catch basin repair Mill roadway 3 ½" 2" Type "B" hot mix Adjust manhole (1) 1 ½" Type "C" hot mix	9,780
13. Hillside Road – Apple Road to West Main Street Curb replacement and catch basin repair Install 4" underdrains and conduits in roadway Mill roadway 3 ½" 2" Type "B" hot mix Adjust manholes (11) 1 ½" Type "C" hot mix Install epoxy resin pavement markings	63,130
14. Fairfield Park – Stamford Drive to Multi-Purpose Court Curb replacement and catch basin repair Installation of 4" and 6" sidewalk Installation of new reinforced concrete steps Remove and store bumper blocks Mill entrance, travel lane and parking lot 2" 2" Type "B" hot mix in upper travel lane 1 ½" Type "C" hot mix in upper travel lane 2" Type "C" hot mix in lower parking lot and entrance Install epoxy resin pavement markings Reset bumper blocks and restore disturbed areas	19,565

<u>LOCATION</u>	<u>APPROXIMATE AREA IN SQUARE FEET</u>
15.    Option I Caldwell Place – Delaware Circle to End Curb replacement Mill roadway 3 ½" 2" Type "B" hot mix 1 ½" Type "C" hot mix	5,580
16.    Option II Forest Lane – Hillside Road to End Mill roadway 3 ½" 2" Type "B" hot mix Adjust manholes (2) 1 ½" Type "C" hot mix	19,170

NOTE: Utility adjustments, undercut, hot mix patching and other miscellaneous items on Option Streets will be paid under the appropriate item of the basic contract.

### ROLLED CURB REPLACEMENT

Blue Jay Drive	1,755'
Dove Drive	490'
Sypherd Drive	1,205'
Hillside Road	20'
Caldwell Place	670'
Fairfield Park	35'
Total	4,175'

### INTEGRAL CURB REPLACEMENT

Andrews Way	DeIDOT Type 1-8	120'
Hillside Road	DeIDOT Type 1-8	360'
Total		480'

Andrews Way	DeIDOT Type 1-8 Modified 6" wide	130'
Creek Bend Drive	DeIDOT Type 1-8 Modified 6" wide	980'
Renee Court	DeIDOT Type 1-8 Modified 6" wide	190'
Heather Court	DeIDOT Type 1-8 Modified 6" wide	160'
Total		1,460'

Caldwell Place	DeIDOT Type 1-6 Modified 6" wide	50'
----------------	----------------------------------	-----

Country Hills Drive	DeIDOT Type 3-8	960'
Moss Court	DeIDOT Type 3-8	325'
Shenandoah Drive	DeIDOT Type 3-8	430'
Hayden Way	DeIDOT Type 3-8	445'
Walker Way	DeIDOT Type 3-8	370'
Total		2,530'

### SINGLE CATCH BASIN REPAIR AND BONNET REPLACEMENT

Blue Jay Drive	13	Hayden Way	8
Dove Drive	2	Walker Way	10
Creek Bend Drive	1	Renee Court	2
Country Hills Drive	3	Heather Court	3
Moss Court	1	Andrews Way	1
Shenandoah Drive	3	Hillside Road	1
Fairfield Park	2		

### DOUBLE CATCH BASIN REPAIR AND BONNET REPLACEMENT

Country Hills Drive	3	Hayden Way	4
Sypherd Drive	1	Walker Way	1
Moss Court	1	Hillside Road	1

### Asphalt Concrete Cost Adjustment

Asphalt cement cost adjustment shall reflect increases or decreases in the Delaware posted asphalt cement price when compared to the project asphalt cement base price. This applies to Item 39 through 39E of Contract 21-06.

The Delaware posted asphalt cement price issued monthly by DelDOT shall be the posted price in effect at the time of the bids.

All deviations of the Delaware posted asphalt cement price from the project asphalt cement base price are eligible for cost adjustment. No minimum increases or decreases are required to qualify for cost adjustment.

Actual quantity of asphalt cement qualifying for any cost adjustment will be computed on the basis of weight tickets and asphalt percentage from the job mix formula. For recycled hot mix, only the new virgin asphalt added to the mix is eligible for cost adjustment. The percent of new asphalt in the mix shall be shown on all weight tickets.

Payment, as calculated above, shall be made by a lump sum adjustment to the monthly estimate for the actual increase in the asphalt cement costs with no additional mark up or administrative expenses.

The asphalt cement cost adjustment will be calculated on grade PG 64-22 asphalt. The project asphalt cement base price for this project will be \$468.33 per ton.

If the contractor exceeds the project completion date, the price of asphalt cement on the last authorized workday shall be the prices used for cost adjustment for the remaining asphalt work on the contract. However, if the industry posted price for asphalt cement declines, the asphalt cement cost shall be adjusted downward accordingly.

CITY OF NEWARK

Delaware

CONTRACT NO. 21-06

2021 STREET IMPROVEMENT PROGRAM

PROPOSAL

TO: The Mayor and City Council  
Newark, Delaware

FROM: \_\_\_\_\_

Gentlemen:

The undersigned bidder has carefully examined the proposed work, the proposal form of contract to be known as Contract No. 21-06, along with the plans and specifications; and binds himself on award to him by the Mayor and City Council of Newark, Delaware, under this proposal to execute in accordance with such award, a contract with necessary surety bond, of which contract, this proposal and said plans and specifications shall be a part; to provide all the necessary machinery, tools, labor, and other means of construction, and to do all the work, and to furnish all the material necessary to perform and complete the said contract within the time as required by the said contract plans and specifications in accordance with the requirements of the engineer, and at the following named prices for the various items.

BID PROPOSAL FOR CONTRACT NO. 21-06**BASIC BID**

ITEM NO.	APPROX. QTY.	UNIT	ITEM DESCRIPTION	UNIT PRICE IN FIGURES	TOTAL AMOUNT
<b>2</b>	500	CY	Excavation as per specifications		
<b>2A</b>	50	SY	Excavation of existing concrete utility trench patches		
<b>8</b>	250	TON	Furnish and place CR-1 graded aggregate base course for undercut areas as directed by the Engineer		
<b>21D</b>	60	LF	Installation of 4" perforated underdrain beneath curb		
<b>21D-1</b>	750	LF	Installation of 4" perforated underdrain in roadway		
<b>21E</b>	15	LF	Installation of 4" PVC roof drain where directed by the Engineer		
<b>22A</b>	8	EACH	Adjust valve boxes		
<b>26</b>	1,170	SF	Remove and replace 4" concrete sidewalk		
<b>26A</b>	590	SF	Remove and replace 6" concrete sidewalk		
<b>26B</b>	240	SF	Remove and replace 6" concrete sidewalk with 6"x6" No. 10 wire mesh reinforcement		
<b>26C</b>	1,070	SF	Remove existing sidewalk and install 4" concrete sidewalk for curb ramp		
<b>26D</b>	60	SF	Furnish and install red detectable warning blocks per specifications		
<b>26E</b>	1	LS	Remove existing sidewalk and install 5' wide reinforced concrete steps at Fairfield Park		

BID PROPOSAL FOR CONTRACT NO. 21-06**BASIC BID**

ITEM NO.	APPROX. QTY.	UNIT	ITEM DESCRIPTION	UNIT PRICE IN FIGURES	TOTAL AMOUNT
<b>27A</b>	51	EACH	Adjustment of existing single catch basin, replacement of curb inlet and repair structure to 3' below grate		
<b>27A1</b>	11	EACH	Adjustment of existing double catch basin, replacement of curb inlet, replacement of galvanized I-Beam, and repair structure to 3' below grate		
<b>28A</b>	40	EACH	Adjust manhole frame and cover per specifications		
<b>28A1</b>	1	EACH	Adjust Type "W" manhole including adjustment of structure, forming and re-pouring reinforced concrete slab, and resetting manhole frame and cover		
<b>39</b>	3,650	TON	Furnish and place Type "B" hot mix bituminous concrete for base course		
<b>39A</b>	4,050	TON	Furnish and place Type "C" hot mix bituminous concrete for overlay		
<b>39B</b>	50	TON	Furnish and place Type "B" hot mix bituminous concrete for patching		
<b>39C</b>	70	TON	Furnish and place 1½" Type "C" hot mix bituminous concrete for topping over base course patches or for repair of asphalt driveways		
<b>39D</b>	1,200	TON	Furnish and place 4" or 6" Type "B" hot mix bituminous concrete for undercut of road subbase where directed by the Engineer		

BID PROPOSAL FOR CONTRACT NO. 21-06**BASIC BID**

ITEM NO.	APPROX. QTY.	UNIT	ITEM DESCRIPTION	UNIT PRICE IN FIGURES	TOTAL AMOUNT
<b>39E</b>	260	TON	Furnish and place 1½" and 2" Type "C" hot mix bituminous concrete for overlay at Fairfield Park		
<b>40</b>	3,505	LF	Remove and replace rolled curb		
<b>40A</b>	480	LF	Remove and replace integral curb DelDOT Type 1-8		
<b>40B</b>	1,460	LF	Remove and replace integral curb DelDOT Type 1-8 Modified, 6" wide		
<b>40C</b>	2,530	LF	Remove and replace integral curb DelDOT Type 3-8		
<b>40D</b>	50	LF	Install new vertical curb DelDOT Type 1-6 Modified, 6" wide, for retaining wall behind curb ramps where required		
<b>46</b>	131,300	SY/IN	Mill existing roadways as per contract and specifications		
<b>47</b>	360	SY	Furnish and place geotextile fabric, Mirafi 600X or approved equal where directed by the Inspector		
<b>SAW</b>	960	LF	Saw cut curb, 4" or 6" concrete sidewalk where directed by the Inspector to facilitate removal		
<b>IP2</b>	15	EACH	Installation, maintenance, and relocation of Type 2 inlet protection		
<b>PVC</b>	1	LS	Furnish and install two 35 linear feet of 4" SCH 40 PVC pipes across Hillside Road		

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BIDDER

BID PROPOSAL FOR CONTRACT NO. 21-06

**BASIC BID**

ITEM NO.	APPROX. QTY.	UNIT	ITEM DESCRIPTION	UNIT PRICE IN FIGURES	TOTAL AMOUNT
<b>STRIPE(1)</b>	3,895	LF	Paint 5" wide white edge lines in epoxy resin paint on Hillside Road		
<b>STRIPE(2)</b>	1,871	LF	Paint 5" wide double yellow center lines in epoxy resin paint on Hillside Road		
<b>STRIPE(3)</b>	6	EACH	Paint crosswalks in epoxy resin paint on Hillside Road		
<b>STRIPE(4)</b>	4	EACH	Paint stop bars in epoxy resin paint on Hillside Road		
<b>STRIPE(5)</b>	7	EACH	Paint bike symbols in epoxy resin paint on Hillside Road		

**ESTIMATED TOTAL PROPOSAL BASIC BID**

**\$** 

---

BID PROPOSAL FOR CONTRACT NO. 21-06**OPTION I: CALDWELL PLACE - DELAWARE CIRCLE TO END**

ITEM NO.	APPROX. QTY.	UNIT	ITEM DESCRIPTION	UNIT PRICE IN FIGURES	TOTAL AMOUNT
<b>39</b>	80	TON	Furnish and place Type "B" hot mix bituminous concrete for base course		
<b>39A</b>	60	TON	Furnish and place Type "C" hot mix bituminous concrete for overlay		
<b>40</b>	670	LF	Remove and replace rolled curb		
<b>40E</b>	50	LF	Remove and replace integral curb DeIDOT Type 1-6 Modified, 6" wide		
<b>46</b>	2,200	SY/IN	Mill existing roadways as per contract and specifications		

**ESTIMATED TOTAL PROPOSAL OPTION I \$****OPTION II: FOREST LANE - HILLSIDE ROAD TO END**

ITEM NO.	APPROX. QTY.	UNIT	ITEM DESCRIPTION	UNIT PRICE IN FIGURES	TOTAL AMOUNT
<b>39</b>	265	TON	Furnish and place Type "B" hot mix bituminous concrete for base course		
<b>39A</b>	200	TON	Furnish and place Type "C" hot mix bituminous concrete for overlay		
<b>46</b>	8,200	SY/IN	Mill existing roadways as per contract and specifications		

**ESTIMATED TOTAL PROPOSAL OPTION II \$**

---

BIDDER

PROPOSAL FOR CONTRACT NO. 21-06 (Cont.)

All work shall be completed on or before April 22, 2022. This proposal shall be irrevocable for a period of sixty (60) days after the bids are opened. Enclosed herewith is a certified check, cashier's check, or bid bond for ten percent (10%) of the bid price.

We acknowledge receipt of addendum(a) No.(s): \_\_\_\_\_

Exceptions: \_\_\_\_\_

---

DATE: \_\_\_\_\_ BIDDER/CONTRACTOR: \_\_\_\_\_

BY: \_\_\_\_\_

Its legally authorized representative

PRINT NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

CITY OF NEWARK

Delaware

CONTRACT NO. 21-06

2021 STREET IMPROVEMENT PROGRAM

NON-COLLUSION STATEMENT

DATE: \_\_\_\_\_

City of Newark  
Newark, Delaware

Gentlemen:

This is to certify that the undersigned bidder \_\_\_\_\_  
\_\_\_\_\_ has not, either directly or indirectly entered  
into any agreement, participated in any collusion, or otherwise taken any action in restraint of free  
competitive bidding in connection with this proposal submitted to the City of Newark on the \_\_\_\_\_  
\_\_\_\_\_ day of \_\_\_\_\_ 2021.

Signature of bidder: \_\_\_\_\_

By: \_\_\_\_\_  
Its legally authorized representative

Sworn to and subscribed before me on this \_\_\_ day of \_\_\_\_\_ 2021.

My Commission expires \_\_\_\_\_

\_\_\_\_\_  
Notary Public

LISTING OF SUBCONTRACTORS - CONTRACT NO. 21-06

Bidder/contractors shall fill in the following listing of subcontractors they intend to use in the performance of the contract work. No subcontractor shall be substituted for any listed below without the written consent of the City. Contractor hereby certified that he has notified all subcontractors that they are obligated to comply with the provisions of Federal or State laws as they pertain to this project and they must submit evidence of such compliance upon notice of request.

1. Name: \_\_\_\_\_

Address: \_\_\_\_\_

Type of Work: \_\_\_\_\_

2. Name: \_\_\_\_\_

Address: \_\_\_\_\_

Type of Work: \_\_\_\_\_

3. Name: \_\_\_\_\_

Address: \_\_\_\_\_

Type of Work: \_\_\_\_\_

4. Name: \_\_\_\_\_

Address: \_\_\_\_\_

Type of Work: \_\_\_\_\_

Date: \_\_\_\_\_ Bidder/Contractor: \_\_\_\_\_

By: \_\_\_\_\_

Its legally authorized representative

Check: Corporation\_\_ ; Partnership\_\_ ; Individual\_\_

Street Address: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_

CITY OF NEWARK

Delaware

CONTRACT NO. 21-06

2021 STREET LOT IMPROVEMENT PROGRAM

BOND TO ACCOMPANY PROPOSAL

(Not Necessary if Certified or Cashier's Check is Provided)

KNOW ALL MEN BY THESE PRESENTS THAT \_\_\_\_\_ of \_\_\_\_\_

\_\_\_\_\_ in the County of \_\_\_\_\_ and State of \_\_\_\_\_

\_\_\_\_\_ Principal, and \_\_\_\_\_ of \_\_\_\_\_

as surety, legally authorized to do business in the State of Delaware, are held and firmly bound unto the City of Newark in the sum of \_\_\_\_\_ dollars, to be paid to said City of Newark for use and benefit of the Mayor and Council of Newark, for which payment well and truly to be made, we do bind ourselves, our and each of our heirs, executors, administrators and successors, jointly and severally, for and in the whole, firmly by these presents.

Sealed with our seals, dated the \_\_\_\_\_ day of \_\_\_\_\_ in the year of our Lord, two thousand and twenty-one (2021).

NOW THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that if the above bound principal \_\_\_\_\_ who has submitted to said City of Newark, a certain proposal to enter into a certain Contract No. 21-06, 2021 STREET IMPROVEMENT PROGRAM, shall be awarded said Contract, and if said \_\_\_\_\_ shall well and truly enter into and execute said contract and furnish therewith such surety bond or bonds as may be required by the terms of said contract and approved by the City of Newark, said contract,

and said bond to be entered into within fourteen (14) days after the date of official notice of award thereof in accordance with the terms of said proposal, then this obligation unless void in writing by both parties, shall remain in full force and virtue.

SIGNED AND SEALED IN THE  
THE PRESENCE OF THIS WITNESS:

\_\_\_\_\_  
WITNESS SIGNATURE

\_\_\_\_\_  
PRINTED NAME

PHONE: \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

PRINTED  
NAME: \_\_\_\_\_(SEAL)

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

PRINTED  
NAME: \_\_\_\_\_(SEAL)

DATE: \_\_\_\_\_

## ATTACHMENT #1

CITY OF NEWARK  
PUBLIC WORKS AND WATER RESOURCES DEPARTMENT  
NEW CASTLE COUNTY, DELAWARE

2020-21 STREET IMPROVEMENT PROGRAM - 2021  
CONTRACT NO. 21-06



CITY OF NEWARK  
PUBLIC WORKS AND WATER  
RESOURCES DEPARTMENT  
220 SOUTH MAIN STREET  
NEWARK, DELAWARE 19711  
(302) 366-7000  
www.newarkde.gov  
@CityofNewarkDE

NO.	DATE	REVISIONS	BY
1	3/22/2021	BID SET	MWF

2020-21 STREET IMPROVEMENT PROGRAM -  
2021  
CONTRACT NO. 21-06  
COVER SHEET  
CITY OF NEWARK  
NEWARK, DELAWARE 19711

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ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST CITY OF NEWARK STANDARDS AND SPECIFICATIONS AND IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND THE RULES AND REGULATIONS THEREOF.

DATE:	2020-03-02
SCALE:	AS SHOWN
DRAWN BY:	MWF
APPROVED BY:	EJR
DRAWING:	<b>G001</b>
SHEET	1 OF 13



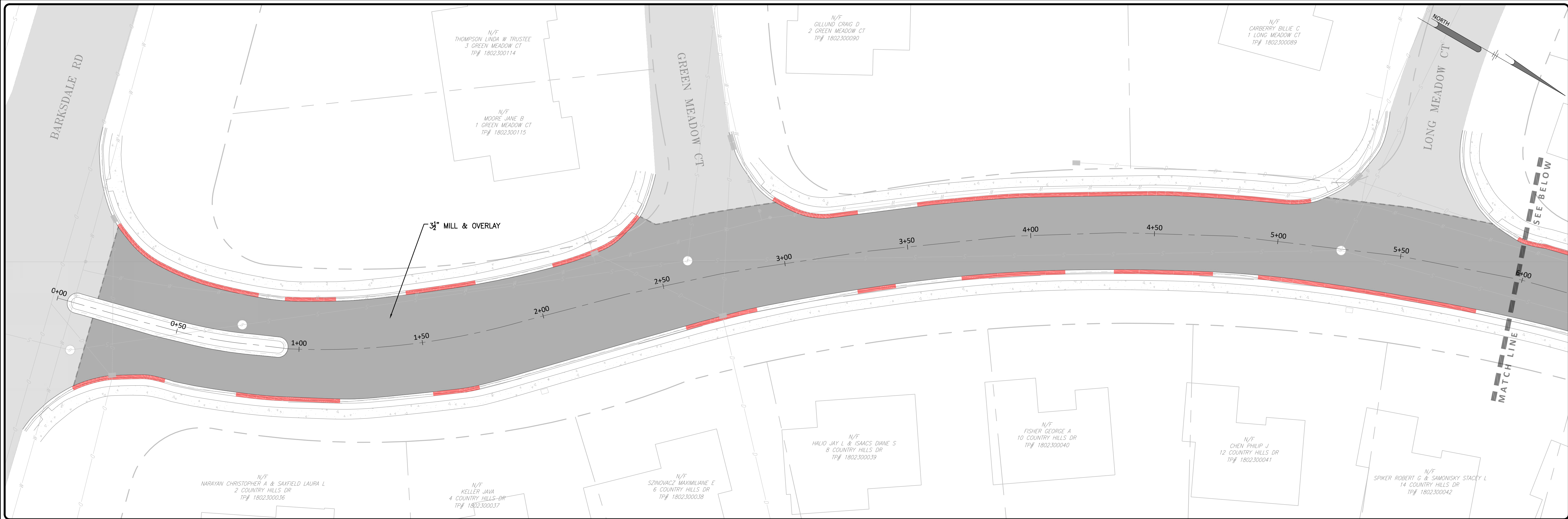
SHEET INDEX	
SHEET	TITLE
1	COVER SHEET
2	COUNTRY HILLS DRIVE
3	WALKER WAY
4	HAYDEN WAY
5	HEATHER COURT - RENEE COURT - ANDREWS WAY
6	SYPHERD DRIVE - HILLSIDE ROAD
7	HILLSIDE ROAD
8	SHENANDOAH DRIVE & MOSS COURT
9	BLUE JAY DRIVE & DOVE DRIVE
10	CREEK BEND DRIVE
11	FAIRFIELD PARK
12	CALDWELL PLACE (OPTION)
13	DETAILS

**NOTE:**  
SEE CONTRACT DOCUMENTS FOR ADDITIONAL STREETS INCLUDED IN THIS CONTRACT (21-06)

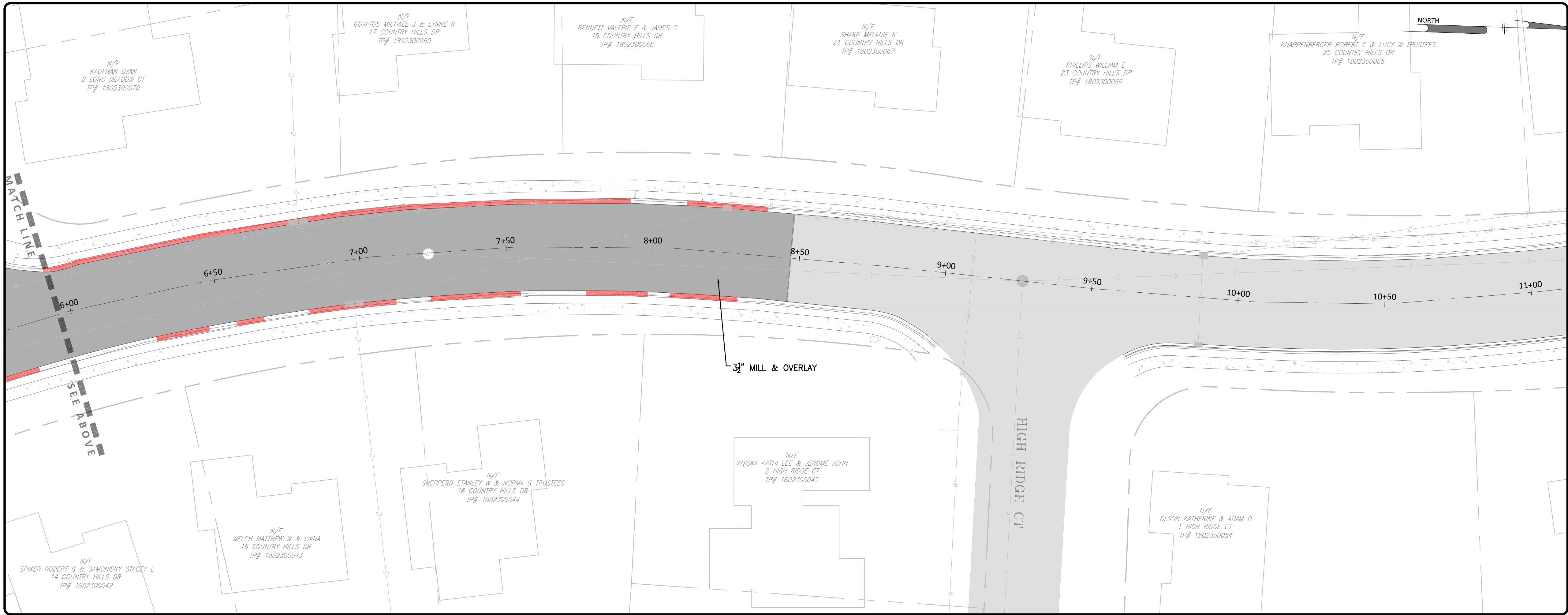
MISS UTILITY  
OF  
DELMARVA

**BEFORE YOU DIG CALL**  
1-800-282-8555  
PROTECT YOURSELF, GIVE TWO  
WORKING DAYS NOTICE

PLOTTED: March 22, 2021  
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PLAN VIEW: COUNTRY HILLS DRIVE - STA. 0+00 - 6+00  
SCALE: 1" = 20'



PLAN VIEW: COUNTRY HILLS DRIVE - STA. 6+00 - 11+00  
SCALE: 1" = 20'

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PUBLIC WORKS AND WATER  
RESOURCES DEPARTMENT  
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NEWARK, DELAWARE 19711  
www.newarkde.gov  
@CityofNewarkDE

NO.	DATE	REVISIONS	BY
1	3/22/2021	BID SET	MWF

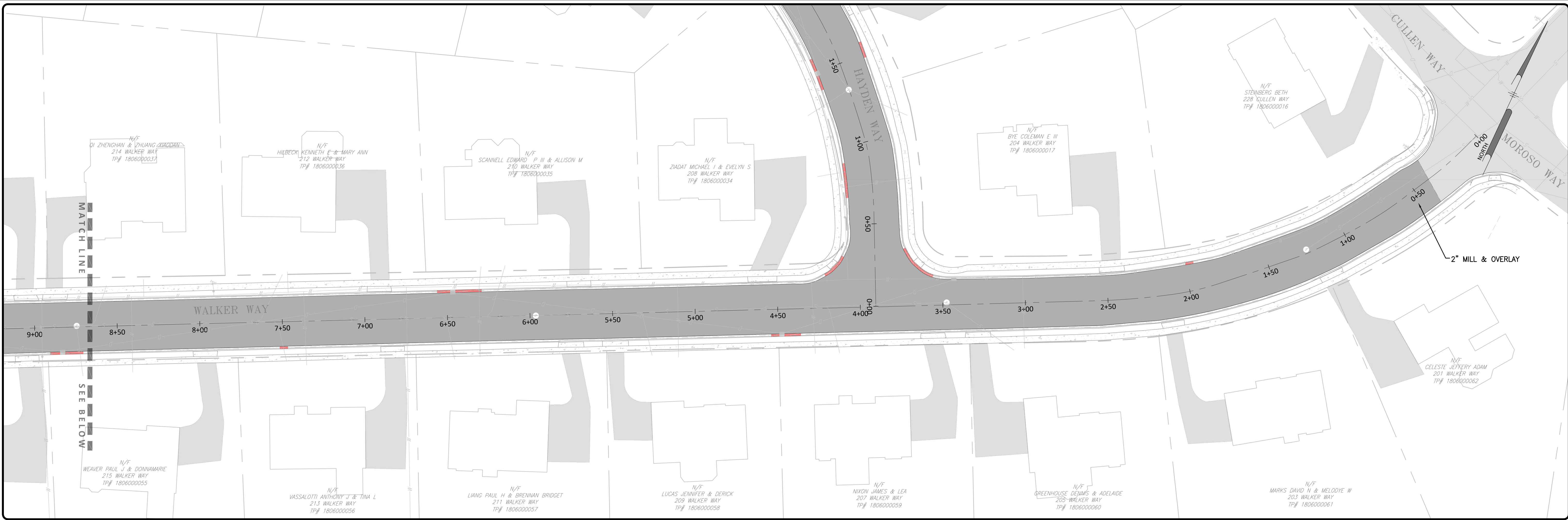
2020-21 STREET IMPROVEMENT PROGRAM -  
2021  
CONTRACT NO. 21-06  
COUNTRY HILLS DRIVE  
CITY OF NEWARK  
NEWARK, DELAWARE 19711

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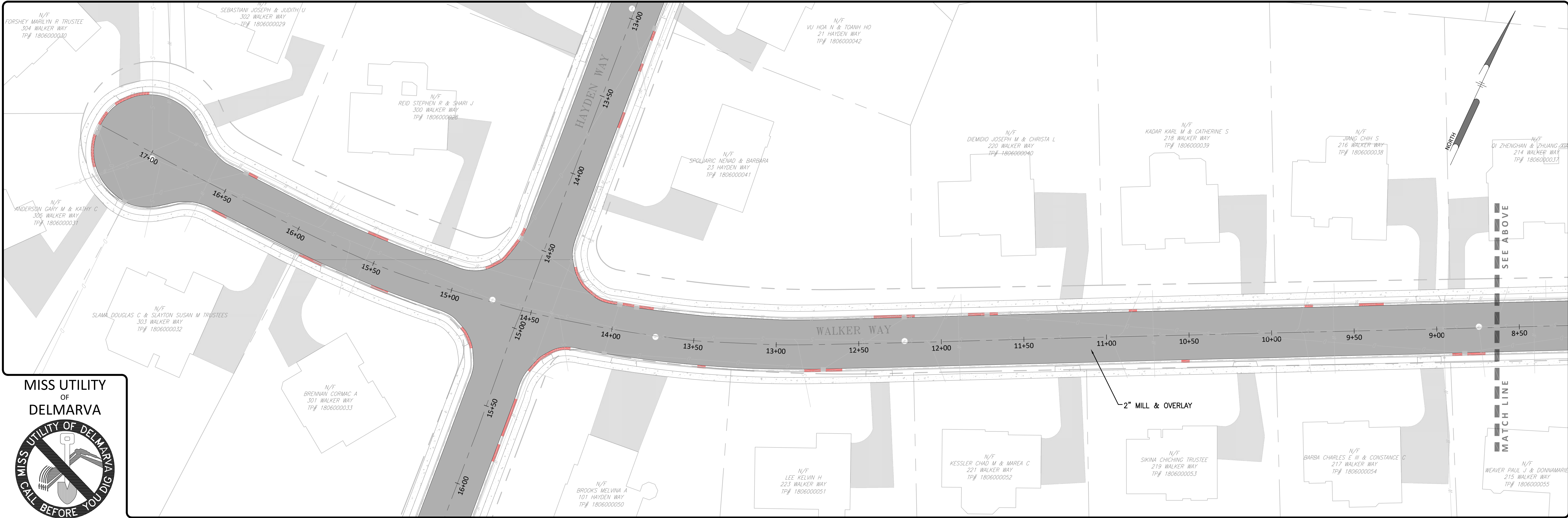
ALL CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH THE LATEST CITY OF NEWARK STANDARDS AND SPECIFICATIONS AND IN COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND THE RULES AND REGULATIONS THERE TO.

DATE: 2020-03-02  
SCALE: 1" = 20'  
DRAWN BY: MWF  
APPROVED BY: EJR  
DRAWING:

C101  
SHEET 2 OF 13



PLAN VIEW: WALKER WAY - STA. 0+00 - 8+50  
SCALE: 1" = 30'



PLAN VIEW: WALKER WAY - STA. 8+50 - 17+50  
SCALE: 1" = 30'

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PUBLIC WORKS AND WATER  
RESOURCES DEPARTMENT

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NEWARK, DELAWARE 19711  
www.newarkde.gov  
@CityofNewarkDE

NO.	DATE	REVISIONS	BY
3/22/2021		BID SET	MWF

2020-21 STREET IMPROVEMENT PROGRAM -  
2021  
CONTRACT NO. 21-06  
WALKER WAY  
CITY OF NEWARK  
NEWARK, DELAWARE 19711

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DATE: 2020-03-02

SCALE: 1" = 30'

DRAWN BY: MWF

APPROVED BY: EJR

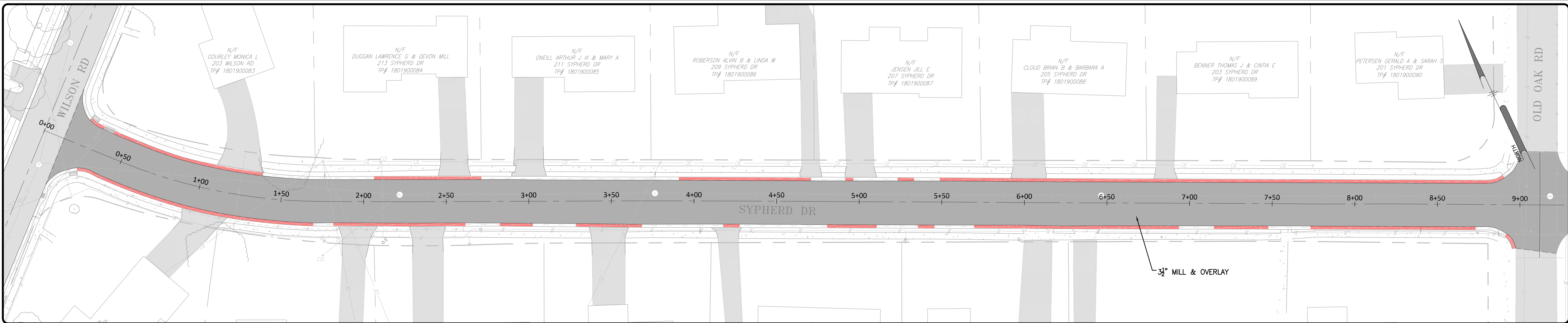
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SHEET 3 OF 13

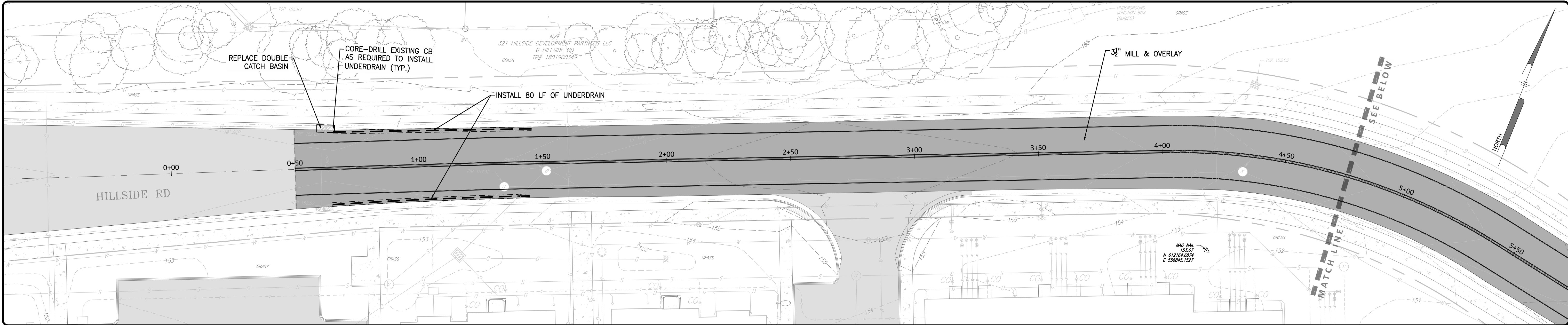
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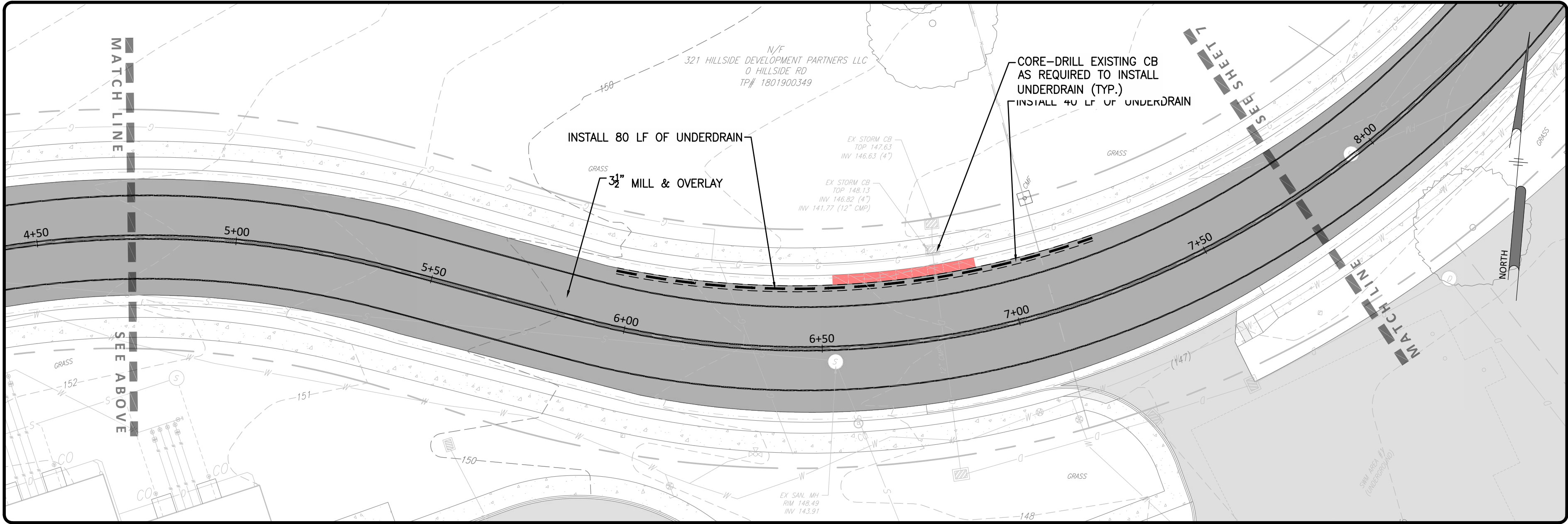




PLAN VIEW: SYPHERD DRIVE  
SCALE: 1" = 30'



PLAN VIEW: HILLSIDE ROAD - STA. 0+00 - 4+75  
SCALE: 1" = 20'



PLAN VIEW: HILLSIDE ROAD - STA. 4+75 - 7+75  
SCALE: 1" = 20'

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RESOURCES DEPARTMENT  
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2020-21 STREET IMPROVEMENT PROGRAM -  
2021  
CONTRACT NO. 21-06  
SYPHERD DRIVE - HILLSIDE ROAD  
CITY OF NEWARK  
NEWARK, DELAWARE 19711

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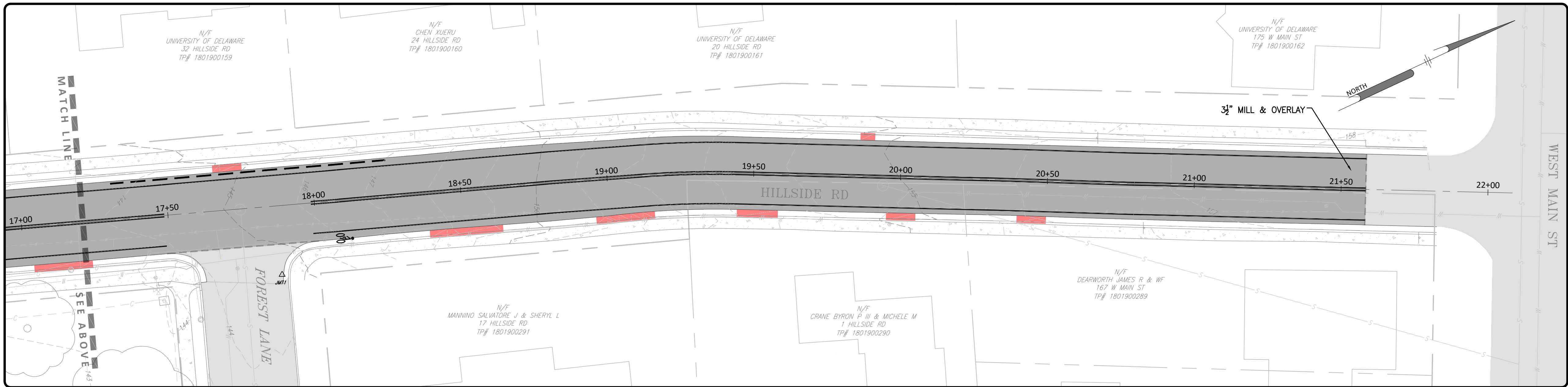
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SCALE: 1" = 30' / 1" = 20'  
DRAWN BY: MWF  
APPROVED BY: EJR  
DRAWING:  
**C105**  
SHEET 6 OF 13

PLOTTED: March 22, 2021  
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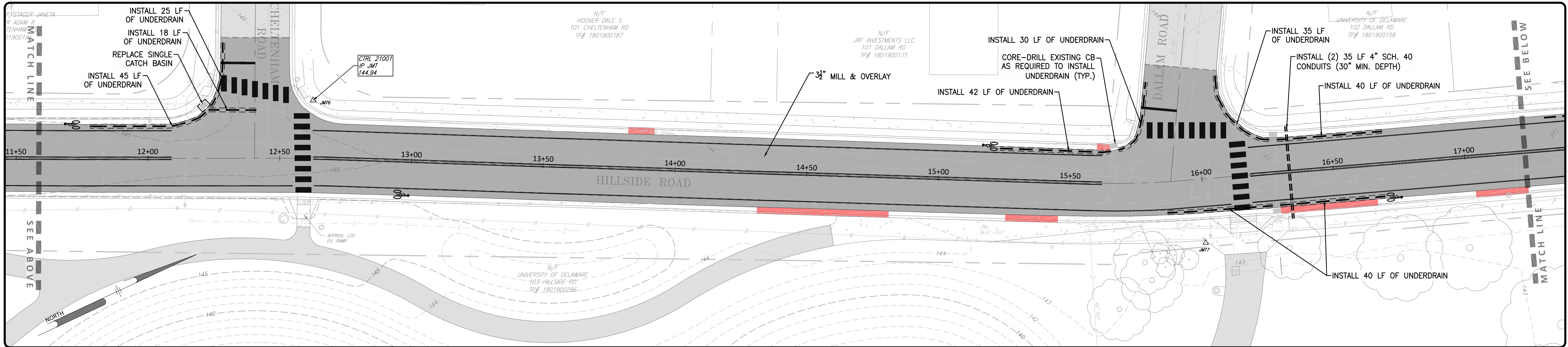
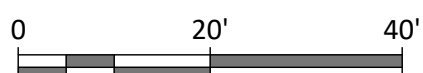
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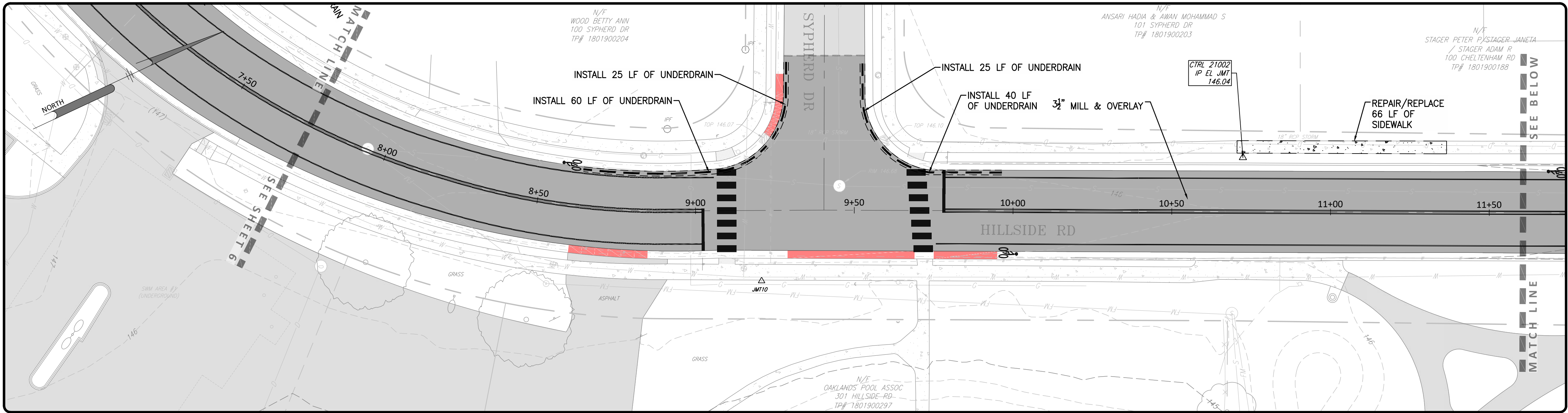
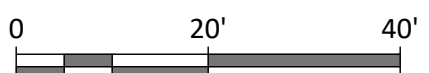
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PROTECT YOURSELF, GIVE TWO  
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PLAN VIEW: HILLSIDE ROAD - STA. 17+25 - 22+00  
SCALE: 1" = 20'



PLAN VIEW: HILLSIDE ROAD - STA. 11+60 - 17+25  
SCALE: 1" = 20'



PLAN VIEW: HILLSIDE ROAD - STA. 7+75 - 11+60  
SCALE: 1" = 20'



CITY OF NEWARK  
PUBLIC WORKS AND WATER  
RESOURCES DEPARTMENT

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2020-21 STREET IMPROVEMENT PROGRAM -  
2021

CONTRACT NO. 21-06

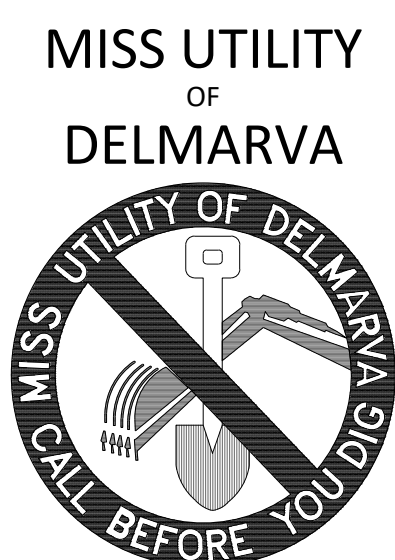
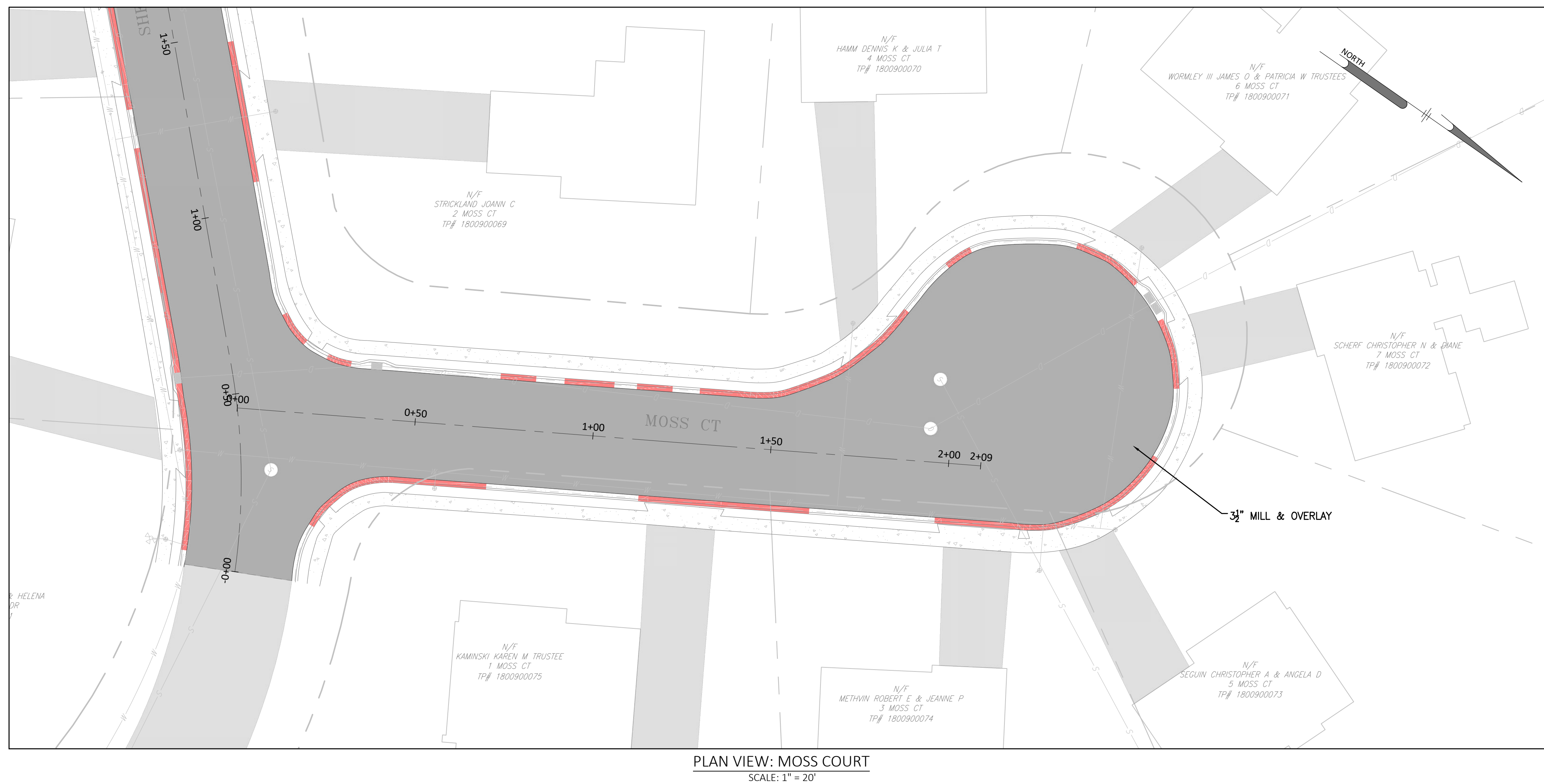
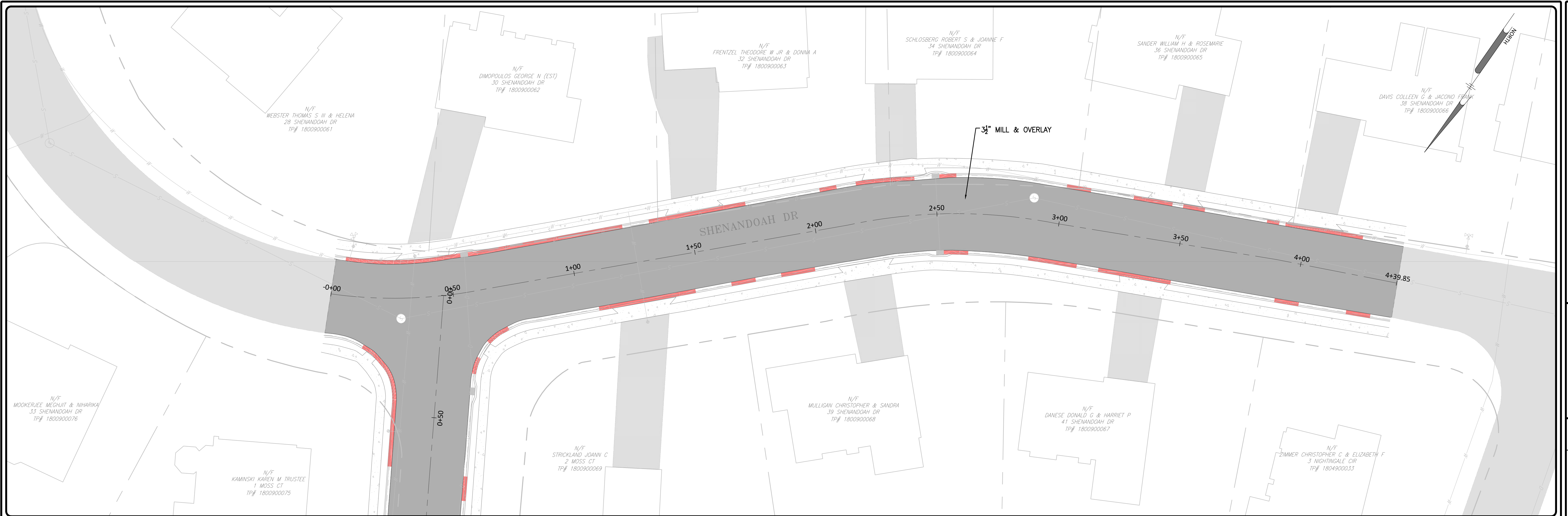
HILLSIDE ROAD

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DATE:	2020-03-02
SCALE:	1" = 20'
DRAWN BY:	MWF
APPROVED BY:	EJR
DRAWING:	C106
SHEET	7 OF 13



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PLOTTED: March 22, 2021  
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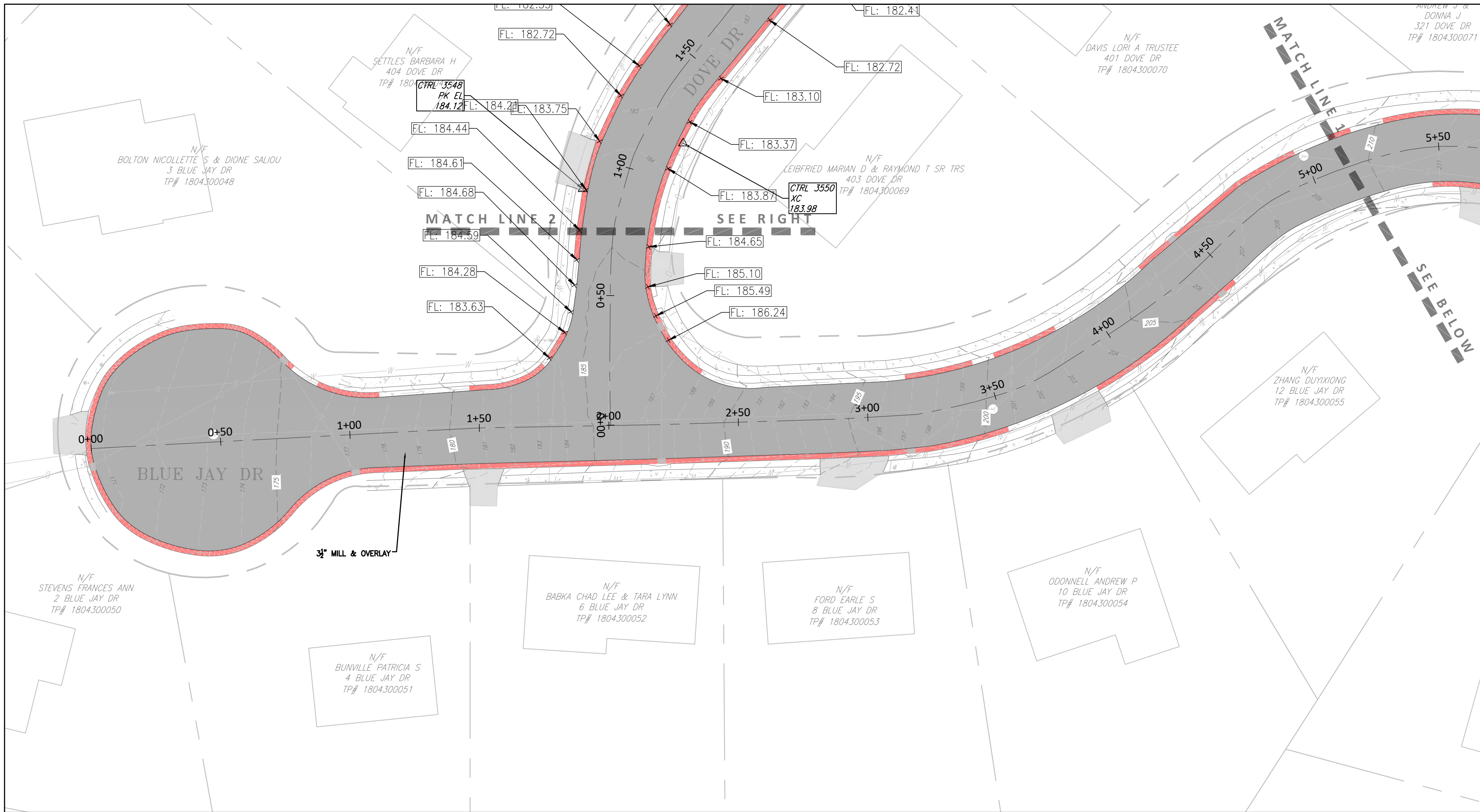
SHEENANDOAH DRIVE & MOSS COURT

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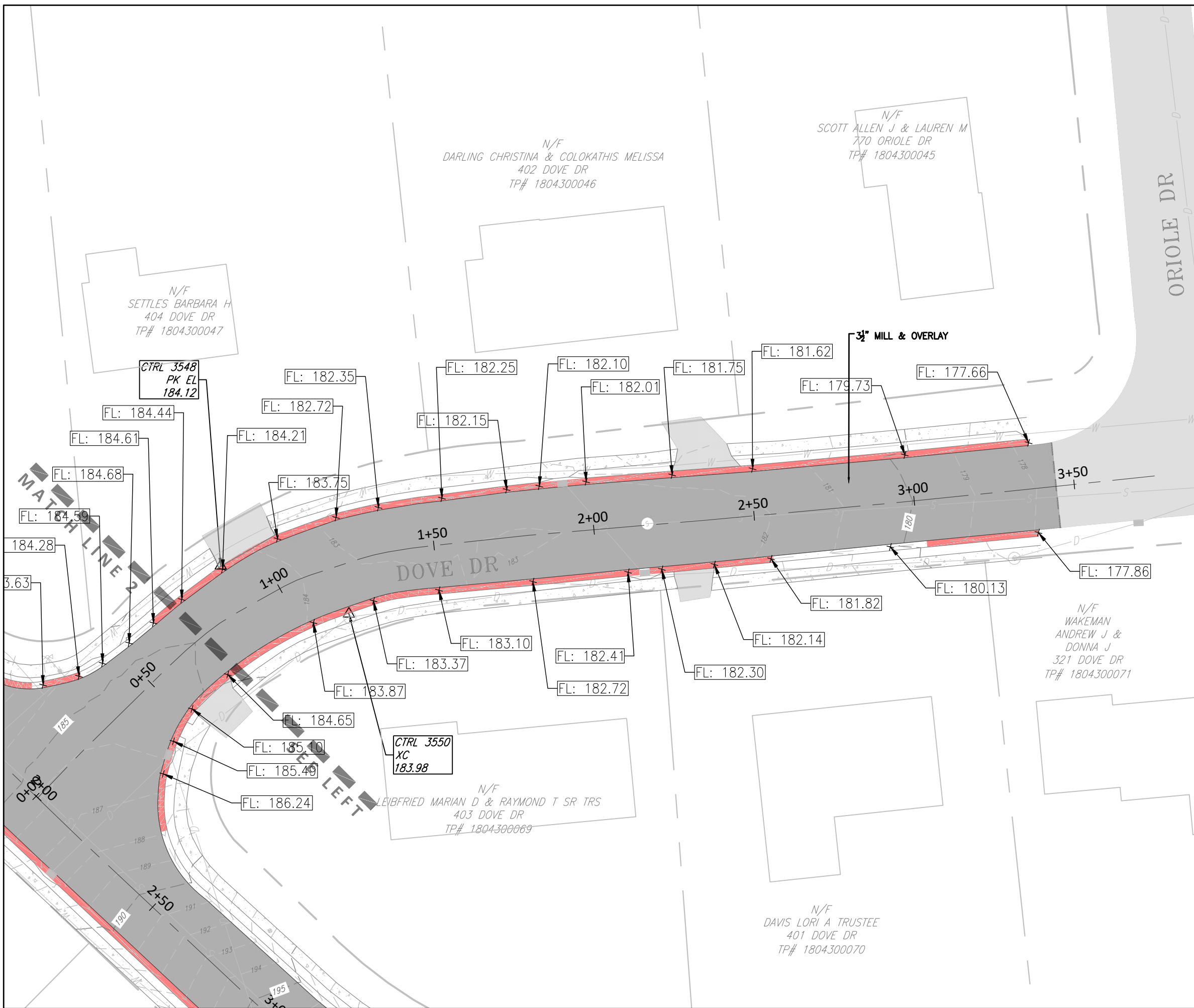
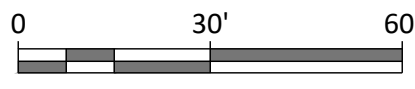
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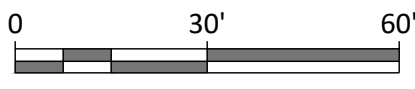
DATE:	2020-03-02
SCALE:	1" = 20'
DRAWN BY:	MWF
APPROVED BY:	EJR
DRAWING: <b>C107</b>	
SHEET	8 OF 13



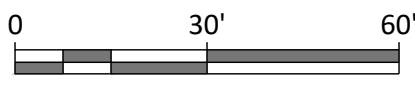
PLAN VIEW: BLUE JAY DRIVE - STA. + - +  
SCALE: 1" = 30'



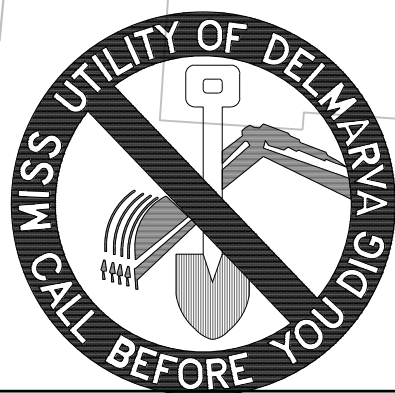
PLAN VIEW: DOVE DRIVE  
SCALE: 1" = 30'



PLAN VIEW: BLUE JAY DRIVE - STA. + - +  
SCALE: 1" = 30'



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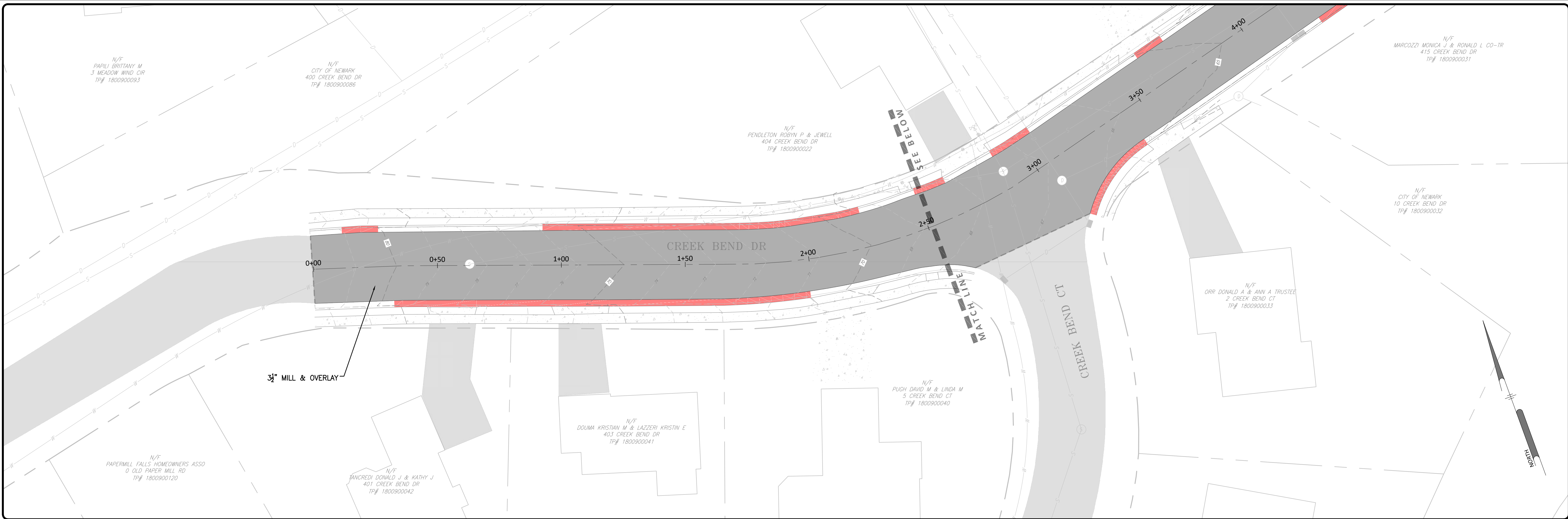
DATE	NO.	REVISIONS	BY
3/22/2021			MWF

2020-21 STREET IMPROVEMENT PROGRAM -  
2021  
CONTRACT NO. 21-06  
BLUE JAY DRIVE & DOVE DRIVE  
CITY OF NEWARK  
NEWARK, DELAWARE 19711

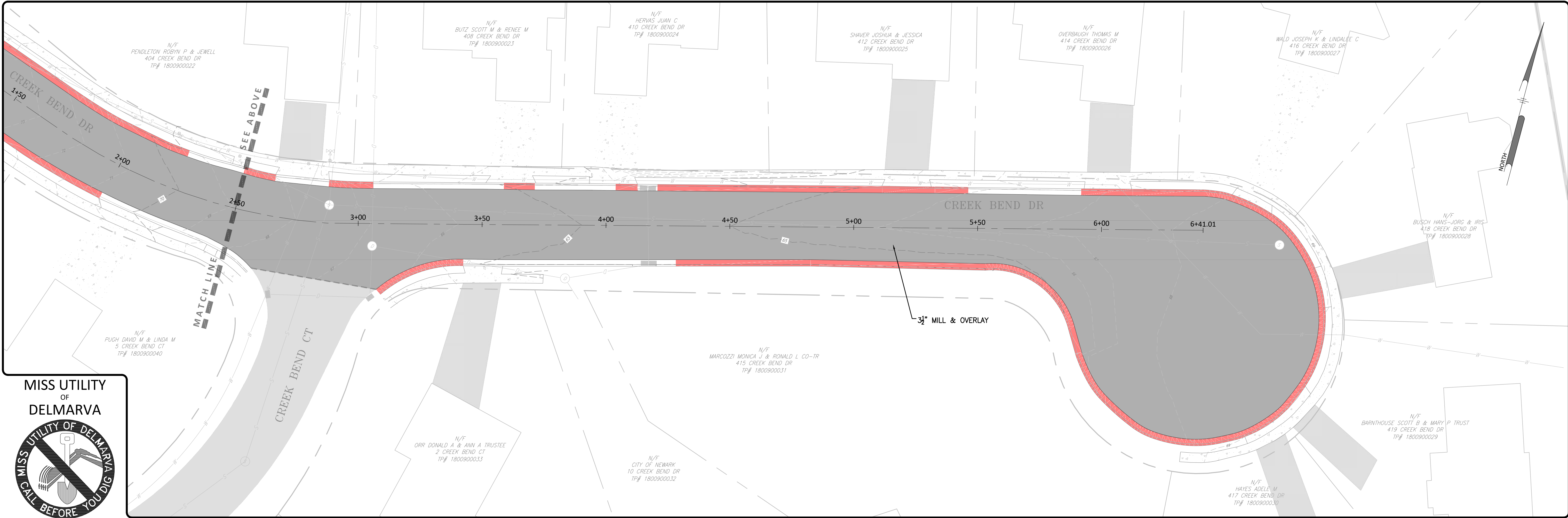
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DRAWN BY:	MWF
APPROVED BY:	EJR
DRAWING:	

C108  
SHEET 9 OF 13



PLAN VIEW: CREEK BEND DRIVE - STA. 0+00 - 2+50  
SCALE: 1" = 20'



PLAN VIEW: CREEK BEND DRIVE - STA. 2+50 - 6+41  
SCALE: 1" = 20'

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**CREEK BEND DRIVE**

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DATE: 2020-03-02  
SCALE: 1" = 20'  
DRAWN BY: MWF  
APPROVED BY: EJR  
DRAWING:

**C109**  
SHEET 10 OF 13

PLOTTED: March 22, 2021  
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EILEEN M  
DR

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N/F  
GILL JENNIFER A & JULIAN ANDRE STEPHEN -TR  
108 LOCUST DR  
TP# 1800700005

N/F  
KELSCH NANCY S  
106 LOCUST DR  
TP# 1800700006

N/F  
VASQUEZ JORGE H & AMANDA  
104 LOCUST DR  
TP# 1800700007

N/F  
HACKNEY NATHANIEL ROBERT & STACEY N  
100 LOCUST DR  
TP# 1800700008

N/F  
CITY OF NEWARK  
491 STAMFORD DR  
TP# 1800700003

N/F  
CITY OF NEWARK  
491 STAMFORD DR  
TP# 1800700009

N/F  
PRIESTLEY MARY LINDA VANNOY TRUSTEE  
505 STAMFORD DR  
TP# 1800700001

NEW 4' WIDE  
CONCRETE SIDEWALK

'NO PARKING'  
PAVEMENT STRIPING

EXTEND PAVED AREA  
10' FOR ADDITIONAL  
PARKING SPOT

RE-STRIPE EXISTING PARKING STALLS

REMOVE AND REPLACE  
WHEEL STOPS (TYP.)

(8) 3.75' X 4' WIDE LANDINGS  
WITH 6.5"± RISE

3 1/2" MILL & OVERLAY

2" MILL & OVERLAY

ENTRANCEWAY  
TRANSITION TO  
EXISTING @ 10%

ADJUST CATCH  
BASIN INLET

ADJUST CATCH  
BASIN INLET

0 15' 30'

NORTH

2020-21 STREET IMPROVEMENT PROGRAM -

2021

CONTRACT NO. 21-06

FAIRFIELD PARK

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IN COMPLIANCE WITH THE OCCUPATIONAL  
SAFETY AND HEALTH ACT OF 1970 AND THE  
RULES AND REGULATIONS THERE TO.

DATE: 2020-03-02

SCALE: 1" = 15'

DRAWN BY: MWF

APPROVED BY: EJH

DRAWING:

C110

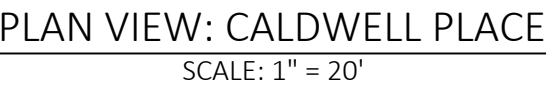
SHEET 11 OF 13

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Caldwell Place (Option)

CITY OF NEWARK

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DATE: 2020-03-02

SCALE: 1" = 20'

DRAWN BY: MWF

APPROVED BY: EJR

**DRAWING:**

# C111

SHEET 12 OF 13

